

# SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

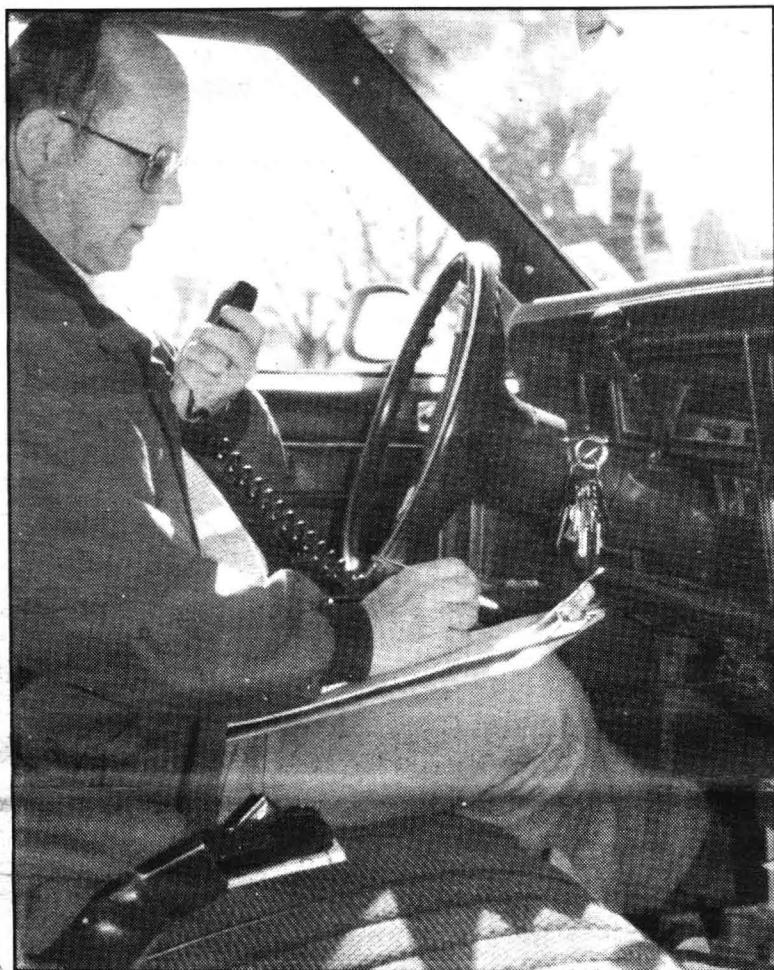
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822 Wauona Trail  
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## Mobiling it in the 1995 Wisconsin QSO Party

Don Evenson, K9JYX, Baraboo, took to the highways and a few byways for a single-band, single-mode effort in the '95 WQP. Operating 146.52, his score won't be a record-setter, but he reports having fun and enjoying giving a few contacts and multipliers to the party participants. Don also is a production assistant for BSSS, and writes a story for the paper every now and then. The official results and the rogue's gallery of photos (did you send a picture?) will appear in the June 1995 issue of BSSS.

- Photo by Jim Romelfanger/K9ZZ

## Vanity Call Schedule

The Federal Communications Commission form necessary for applying for an amateur radio vanity call sign -- Form 610-V -- will not be available until after May 1.

Amateurs who call the FCC to request the form before then will not have their names recorded and it will be necessary for them to request the form again, when it is available.

Applications for amateur vanity call signs will not be accepted until after the forms are available, i.e., until sometime after May 1. The FCC will make a public announcement of the date of opening of the first "gate" for vanity call sign applications.

Beginning May 1, 1995, FCC Form 610-V may be requested by calling the FCC Forms Distribution Center at 800-418-3676. Or, send an SASE to ARRL-VEC anytime, for a Form 610-V by return mail as soon as they are available after May 1. Write "FORM 610-V REQUEST" on the outer envelope.

- ARRL Bulletins ARLB021, 3/7/95,  
and ARLB022, 3/8/95

## Amateurs Get 219 MHz for Digital Point-to-Point Message Forwarding

The FCC has released a Report and Order in ET Docket No. 93-40, allocating the 219 to 220 MHz band on a secondary basis to the Amateur Service for point-to-point fixed digital message forwarding systems. The allocation had been requested by the ARRL as partial compensation for the loss of the 220 to 222 MHz band.

When the new rules take effect, on a date that has not yet been announced, Technician and higher class amateur licensees will be permitted to use digital emissions of up to 100 kHz bandwidth and no more than 50 watts PEP output. The primary occupant of the band is the Automated Maritime Telecommunications Systems (AMTS). To protect the primary occupant, the ARRL has been designated as the national contact point for all amateur operations in the 219 to 220 MHz band and is responsible for maintaining a database of all amateur operations in the band. All amateur stations must notify the ARRL at least 30 days prior to

initiation of operations in the 219 to 220 MHz band. Amateur stations within 50 miles of an

Please turn to page 8

## Club Calls Now Available

Effective now, the Federal Communications Commission is accepting applications for new club and military recreation station licenses. Call signs will be issued by the FCC from the Group D call sign block, based on the applicant's call district.

Special FCC Form 610-B must be used to apply, and applications must be sent to the FCC's Gettysburg Licensing Facility, 1270 Fairfield Rd, Gettysburg PA 17325-7245.

Form 610-B can be obtained from the ARRL/VEC for an SASE.

- ARRL Bulletin ARLB027, 3/24/95

## Vanity Call Change Sought

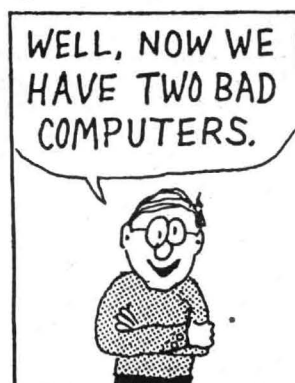
The ARRL has petitioned the FCC for partial reconsideration of one aspect of its proposed vanity call sign program.

The League has asked that the Commission require that amateurs requesting vanity call signs in eligibility "gates" other than Gate One specify call sign choices in the call sign region of their then-current mailing address. (Gate One is for applicants for a previously held call sign or the call sign of a deceased relative.)

The League said that, reinforced by the comments of a number of amateurs, it believes that the history of call sign regions and the nature of Amateur Radio communication indicate that call sign regions should be retained for vanity call sign applicants. "Amateurs are in general most supportive of the use of call signs as a quick means of determining the general location of a station," the League said.

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## ELMER



By Rich Regent, K9GDF

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# WHAT'S HAPPENING

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EDITED BY KENNETH A. EBNETER, K9EN, 822 WAUONA TRAIL, PORTAGE, WI 53901

## Swapfests and Other Social Events

**SUNDAY, APRIL 2, 1995.** Madison Swapfest. Dane County Expo Center Forum building. Electronic equipment and components for Hams, computer hobbyists and experimenters. Commercial dealers for new and used equipment. For information on booths, tables and tickets contact: MARA, PO Box 8890, Madison, WI 53708-8890.

**SATURDAY, APRIL 8, 1995.** AHSTC and Brown County ARES Swapfest, Ashwaubenon High School, 2391 South Ridge Road, Green Bay, WI. From Highway 41, take Oneida Street exit. Turn east towards Exel Inn, continue on Oneida until Anderson Drive, Turn left at stoplight on to Anderson, and continue past football field to Ashwaubenon High School on right. Contact: Chad Stiles, N9PAY, 2171 Barberry Lane, Green Bay, WI 54304. (414) 494-2936 or Lisa Kolbusz, N9VJL, 520 Columbia #A, Green Bay, WI. (414) 497-1807.

**SUNDAY, APRIL 9, 1995.** Electronic expo & Hamfest, Metro Center, Rockford, IL. Contact Wayne or Fay at (815) 397-6027.

**SATURDAY, MAY 6, 1995.** Ozaukee Radio Club, Swapfest, Cedarburg, WI. Circle B Recreation Center, intersection of highways 60 and county I. Advance admission \$2.00 (\$3.00 at door), Tables: 4 foot \$3.00. Contact: ORC Swapfest committee, W70 N1018 Hampton Ct., Cedarburg, WI 53012.

**SATURDAY, MAY 27, 1995.** Wisconsin Valley Radio Assn. Hamfest, Rothschild, WI. Held at the Rothschild Pavilion, 1104 Park St., Rothschild, WI. Tables; \$4.00, admission; \$2.00 advance or \$3.00 at the door. VE testing for all classes. Contact: Dee Duckett, N9SDM, 6300 Birch Street

#49, Schofield, WI 54476. (715) 359-0815.

**SUNDAY, JULY 2, 1995.** Northwoods Amateur Radio Club annual Hamfest, Located in Rhinelander, WI at the Taj Mahall, Head north on Stevens St., to Pueblo Dr., turn left (by Nissan dealer). Contact Northwoods ARC., 5286 Sycamore ST., Rhinelander, WI 54501. (715) 369-5194.

**SATURDAY, MAY 13, 1995.** Lakeshore Hamfest. Contact: ManCoRad. PO Box 204, Manitowoc, WI 54221-0204.

**SUNDAY, JUNE 11, 1995.** Annual Central Wisconsin Radio Amateurs Swapfest (CWRA), Stevens Point, WI. Held at the UW Stevens Point Student Center. FCC VE exams at 9:00 a.m. Fox Hunt at 10:00 a.m. Contact: Atr Wysocki, N9BCA, 3356 April Lane, Stevens Point, WI 54481. (715) 344-2984.

**SATURDAY, JULY 8, 1995.** South Milwaukee Swapfest, American Legion Post 434, Oak Creek, WI. Contact SMARC, PO box 102, South Milwaukee, WI 53172. (414) 762-3235.

**SUNDAY, JULY 30, 1994.** Racine Hamfest, Racine, WI. Contact: Racine Megacycle Club, PO Box 3, Racine, WI 53401-0003.

**SATURDAY, AUGUST 12, 1995.** Northwoods Hamfest, at Sugar Camp town hall near Rhinelander, WI. Contact Mary Berger, NS9Q, 367 Lois St., Rhinelander, WI 54501. (715) 362-9296.

**SATURDAY, AUGUST 26, 1994.** Riverland Hamfest-Computer Expo and Antique radio show. La Crosse, WI. Contact: Dick Low, KOJYB, 1520 Nakomis Ave., La Crosse, WI 54603. (608) 784-9176.

**SATURDAY, SEPTEMBER 2, 1995.** Hayward, WI Hamfest. Sponsored by Namekagon Valley Wireless Association. Held at the Armory in Hayward from 7:00 a.m. to 3:00 p.m.

**SATURDAY, NOVEMBER 4, 1995.** 11th annual Friendlyfest at the Waukesha County Expo Center, Waukesha, WI. Contact Milwaukee Repeater Club, Inc., PO Box 2123, Milwaukee, WI 53201.

See also the back page and flyer ads for additional information on many of these events.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

## Club Meetings



Due to space limitations, we cannot always carry the full listing of Wisconsin and area club meetings. Please see the January 1995 meetings column for the latest complete listing. The following are additions or changes since that listing.

### M & M AMATEUR RADIO CLUB

General meeting held second Thursday each month at 7:00 p.m. at Menominee BAMC 4th floor, Tenth Ave., Menominee, WI 49858.

### MANITOWOC COUNTY RADIO AMATEURS

Directors Meeting: First Wed. Held at 7:30 p.m. in the basement, Manitowoc City Hall, 817 Franklin St., Manitowoc.

General meeting: Second Wed. Held at 7:30 p.m. at Associated Manitowoc Bank, corner of 10th and Franklin Streets.

### WISCONSIN RAPIDS AMATEUR RADIO CLUB

Third Wednesday, 7:00 p.m. Emergency Government Office, Wood County Court House. Talk-in on 146.79 for entry into the building.

Net on Sundays at 8:00 p.m. on 146.79.

## The Test Point



**Amateur Radio Examination Locations and Schedules in the Wisconsin Area**

|                |                           |
|----------------|---------------------------|
| April 1, 1995  | Oak Creek, WI (SWAT/MRAC) |
| April 1, 1995  | Racine, WI                |
| April 1, 1995  | River Falls, WI           |
| April 8, 1995  | Madison, WI               |
| April 8, 1995  | Green Bay, WI             |
| April 8, 1995  | ARES Hamfest              |
| April 8, 1995  | Redgranite, WI            |
| April 15, 1995 | Marshfield, WI            |
| April 15, 1995 | Loves Park, IL            |
| April 15, 1995 | Milwaukee, WI (BE)        |
| April 19, 1995 | West Allis, WI (MRAC)     |
| April 29, 1995 | Wauwatosa, WI (MRAC)      |
| April 29, 1995 | Tomahawk, WI              |
| May 6, 1995    | Racine, WI                |
| May 6, 1995    | Cedarburg, WI (BE)        |
| May 6, 1995    | Ozaukee Swapfest          |
| May 13, 1995   | Madison, WI               |
| May 13, 1995   | Oak Creek, WI (SWAT/MRAC) |
| May 13, 1995   | Manitowoc, WI             |
| May 13, 1995   | Lakeshore Hamfest         |
| May 13, 1995   | Redgranite, WI            |
| May 17, 1995   | West Allis, WI (MRAC)     |
| May 20, 1995   | Dubuque, IA               |

## Badger State Smoke Signals

**Amateur Radio  
Education and Information**

**CHAIRMAN:** Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

**EDITOR:** Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031.

**TREASURER:** Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

**CONTRIBUTING AUTHOR:** Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

### Subscriptions

|         |                           |         |
|---------|---------------------------|---------|
| 1 year  | (12 issues)               | \$12.00 |
| 2 years | (24 issues - save \$2.00) | \$22.00 |
| 3 years | (36 issues - save \$4.00) | \$32.00 |

Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

### When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than **FIVE DAYS** after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that

month. This material is to be sent to the Editor.

### Where to Send It

Address changes and corrections should be sent to Ken Ebnetter.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Swapfest information should be sent to Ken Ebnetter. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

### Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

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### Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

|                                      |                           |
|--------------------------------------|---------------------------|
| May 20, 1995                         | Loves Park, IL            |
| May 27, 1995                         | Wauwatosa, WI (MRAC)      |
| May 27, 1995                         | Tomahawk, WI              |
| May 27, 1995                         | Rothschild, WI            |
|                                      | WVRA Hamfest              |
| June 3, 1995                         | Racine, WI                |
| June 3, 1995                         | River Falls, WI           |
| June 10, 1995                        | Madison, WI               |
| June 10, 1995                        | Redgranite, WI            |
| June 11, 1995                        | Stevens Point, WI         |
|                                      | CWRA Swapfest             |
| June 21, 1995                        | West Allis, WI (MRAC)     |
| June 17, 1995                        | Loves Park, IL            |
| June 24, 1995                        | Wauwatosa, WI (MRAC)      |
| June 24, 1995                        | Tomahawk, WI              |
| July 8, 1995                         | Oak Creek, WI             |
|                                      | SMARC Hamfest             |
| July 8, 1995                         | Redgranite, WI            |
| July 19, 1995                        | West Allis, WI (MRAC)     |
| July 15, 1995                        | Loves Park, IL            |
| July 29, 1995                        | Wauwatosa, WI (MRAC)      |
| July 29, 1995                        | Tomahawk, WI              |
| July 30, 1995                        | Racine, WI                |
|                                      | Racine Hamfest            |
| August 5, 1995                       | River Falls, WI           |
| August 12, 1995                      | Marshfield, WI            |
|                                      | Northwoods Hamfest        |
| August 12, 1995                      | Redgranite, WI            |
| August 16, 1995                      | West Allis, WI (MRAC)     |
| August 19, 1995                      | Loves Park, IL            |
| August 26, 1995                      | Wauwatosa, WI (MRAC)      |
| August 26, 1995                      | Tomahawk, WI              |
| September 2, 1995                    | Oak Creek, WI (SWAT/MRAC) |
| September 2, 1995                    | Racine, WI                |
| September 9, 1995                    | Madison, WI               |
| September 9, 1995                    | Redgranite, WI            |
| September 10, 1995                   | Dubuque, IA               |
|                                      | Dubuque Hamfest           |
| September 20, 1995                   | West Allis, WI (MRAC)     |
| September 16, 1995                   | Loves Park, IL            |
| September 30, 1995                   | Wauwatosa, WI (MRAC)      |
| September 30, 1995                   | Tomahawk, WI              |
| October 7, 1995                      | Racine, WI                |
| October 7, 1995                      | River Falls, WI           |
| October 7, 1995                      | Oak Creek, WI (SWAT/MRAC) |
| October 14, 1995                     | Madison, WI               |
| October 14, 1995                     | Redgranite, WI            |
| October 18, 1995                     | West Allis, WI (MRAC)     |
| October 21, 1995                     | Loves Park, IL            |
| October 28, 1995                     | Wauwatosa, WI (MRAC)      |
| October 28, 1995                     | Tomahawk, WI              |
| November 4, 1995                     | Racine, WI                |
| November 4, 1995                     | Oak Creek, WI (SWAT/MRAC) |
| November 4, 1995                     | Menomonie, WI             |
| November 11, 1995                    | Marshfield, WI            |
| November 11, 1995                    | Madison, WI               |
| November 11, 1995                    | Redgranite, WI            |
| November 15, 1995                    | West Allis, WI (MRAC)     |
| November 18, 1995                    | Dubuque, IA               |
| November 18, 1995                    | Loves Park, IL            |
| November 25, 1995                    | Wauwatosa, WI (MRAC)      |
| December 2, 1995                     | Oak Creek, WI (SWAT/MRAC) |
| December 2, 1995                     | Racine, WI                |
| December 2, 1995                     | River Falls, WI           |
| December 2, 1995                     | Stevens Point, WI         |
| December 9, 1995                     | Madison, WI               |
| December 9, 1995                     | Redgranite, WI            |
| December 20, 1995                    | West Allis, WI (MRAC)     |
| December 16, 1995                    | Loves Park, IL            |
| Monthly, 1st Sat.                    | Racine, WI                |
| (except January, July & August)      |                           |
| Monthly, 1st Sat.                    | Oak Creek, WI (SWAT/MRAC) |
| (except May, June, July & August)    |                           |
| Monthly, 2nd Sat.                    | Madison, WI               |
| Monthly, 2nd Sat.                    | Redgranite                |
| Monthly, 3rd Wed.                    | West Allis, WI (MRAC)     |
| Monthly, 3rd Sat.                    | Loves Park, IL            |
| Monthly, Last Sat.                   | Wauwatosa, WI (MRAC)      |
| (except December)                    |                           |
| Monthly, Last Sat.                   | Tomahawk, WI              |
| (January thru October only)          |                           |
| Quarterly                            | Marshfield, WI            |
| (Second Saturday every third month.) |                           |

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

# GENERAL RULES

## FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL. Send a 32¢ SASE if you request one from the ARRL. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.90 payable to "ARRL/VEC".

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE or CSCE to the VEC. You must also have two good copies of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 610 and most VEC want a copy for their records. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

## MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)

### OAK CREEK, WI (SWAT -MRAC/VEC)

FIRST SATURDAY DATES (No exams June, July or August. May exam on 2nd sat at 1:00 p.m.): 3:30 p.m. at 6560 S. 27th St., Oak Creek, WI. (2-blocks south of College.) (MRAC fee \$5.00)

THIRD WEDNESDAY DATES: At 6:30 p.m. Manor at Park, 3023 S 84th St., West Allis, WI.

LAST SATURDAY DATES (except December): 9:00 a.m. at 7500 W. State St., Wauwatosa S&L, lower level, Wauwatosa, WI.

For Additional Information Contact; Jack Krause, (414) 774-6999 or call (414) 466-HAMS (Answering Machine) or write MRAC, 1737 N. 116th St., Wauwatosa, WI 53226.

Bring along your ORIGINAL license, CSCE and two (2) good quality photocopies, plus two forms of identification, such a driver's license, etc. Also required is \$5.00 for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, or Les Peterson, W9YCV at the addresses shown above.

## BADGER EXAMINERS (BE) - MILWAUKEE

Amateur exams: 1:00 p.m. to 4:00 p.m.

Commercial exams: 9:00 a.m. to 12:00 noon.

Unless otherwise noted at WMVS-TV studios, MATC Downtown campus in the C building. The address is 1036 N. 8th Street, Milwaukee. Enter at the North West entrance of C Building. Walk-ins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

Also available FCC General Radio Telephone Commercial exams. Fees are \$5.90 for the Amateur Radio exams and \$35.00 for the commercial exams.

## MADISON, WI

VE exams are held in Madison every second Saturday morning (September through May) of the month at 8 a.m. They are held at the operations building of the Madison Metropolitan Sewerage District at 1610 Moorland Rd. To get there take the Beltline (Hwy 12 & 18) to South Towne Drive. Go south 8/10 mile till South Towne Drive makes a bend and becomes Moorland Rd. and enter at gate.

You should bring a picture ID, your original licence and a copy of your licence. For exams beyond the novice tests, bring a check for \$5.90, made out to the ARRL/VEC. If the special 610 form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me at (608) 832-6631.

Mark Jenks, NZ9B

## RIVER FALLS, WI

Held in the church basement at the United Methodist Church, 127 South 2nd St., River Falls, WI. Contact: Chuck Kelly, KA9YRV, 234 W Cascade Ave., River Falls, WI 54022.

## REDGRANITE, WI (W5YI VEC)

Test sessions are held in Redgranite on the second Saturday of each month, at the Civic Center, 202 Pine River rd., just off Highway 21. Testing begins at 9:00 a.m. Breakfast meeting at 8:00 a.m. at the Curve on Highway 21. All Amateurs are welcome. Contact Terry Lynn Witt, AA9BA, 9145 Ivy Lane, Berlin, WI 54923.

## RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Monthly exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted.

Direct inquiries and registrations to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

## TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testing starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633.

## STEVENS POINT, WI

Contact: Joe Larson, N9JW. (715) 344-1182.

## APPLETON, WI - ARRL/VEC

### MANITOWOC, WI (HAMFEST)

### KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team. All test session in Appleton are held at James Madison Jr. High, 2020 S. Carpenter Street. Check in between 8 and 9 a.m. with testing starting at 9 a.m. No walk-ins after 9 a.m. Contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (414) 730-0967.

## MENOMONIE, WI

The Menomonie VEC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonie, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NX9F. Work: (715) 232-1397, Home: (715) 235-3998.

## MARSHFIELD, WI (ARRL/VEC)

Sponsored by the Marshfield Area ARS. Held at St. Joseph Hospital, 611 St. Joseph Ave., in the 1 West classroom located adjacent to the Westwood Cafeteria on the main floor of the hospital. Use the main entrance or any other entrance and follow the signs to the cafeteria. Registration starts at 8:30 a.m. with testing starting at 9:00 a.m. Talk in on the 147.18 Marshfield repeater. Walk-ins welcome. Contact: Walter Friant, WB0KIN, 2310 Wallonie Drive, Marshfield, WI 54449 (715) 387-3870.

## GREEN BAY, WI (ARRL/VEC)

Contact N9NOF, Keith Summers, 918 Bluebird St., De Pere, WI 54115. (414) 336-6087, after 4:00 p.m.

## CEDARBURG, WI - ORC HAMFEST

### EAU CLAIRE, WI - ECARC HAMFEST

### GREEN BAY, WI - ARES HAMFEST

### KAUKAUNA, WI - SWAPFEST

### MANITOWOC, WI, LAKESHORE HAMFEST

### MARSHFIELD, WI - HAMFEST

### OAK CREEK, WI - SMARC HAMFEST

### RACINE, WI - BIG BOY TOY SHOW

### RHINELANDER, WI - NWARC SWAPFEST

### ROCKFORD, IL - RARC HAMFEST

### ROTHSCHILD, WI - WVRA HAMFEST

### SOUTH MILWAUKEE, WI - SMARC HAMFEST

### STEVENS POINT, WI - CWRA SWAPFEST

### WAUKESHA, WI - KMRA SWAPFEST

### WAUKESHA, WI - MIDWINTER SWAPFEST

### DUBUQUE, IA - HAMFEST

See the Swapfest column for additional information and contact persons.

(continued on page 14)

# Wisconsin Nets Association Ltd.

Art Evans, KA9KLZ, Secretary • 213 North Jefferson • Cuba City, WI 53807

## Section Manager's Notes



Richard R. Regent, K9GDF  
5003 South 26th Street  
Milwaukee, WI 53221

SM, Richard R. Regent, K9GDF - ASM: K9FHI; STM: KA9KLZ; SEC WB9SMM; ACC: K9FHI; SGL: W9RYA; OOC: N6JSX; PIC: K9ZZ; BM: WB9JSW; TC: K9GDF.

Worked All Wisconsin Counties Award is a new operating award sponsored by the West Allis RAC, rules and applications from WARAC, PO Box 1072, Milwaukee, WI 53201.

May 6 Ozaukee Radio Club Swapfest at Circle B Recreation Center Highway 60 & County I near Cedarburg. Also May 6, Arrowhead Radio Amateur Club Hamfest in Superior.

May 13 Lakeshore Hamfest at Manitowoc County Exposition, Intersection Highways 42-151 and I43 on County Highway R.

May 17 is Amateur Radio Day in Wisconsin. Time to get final plans for Field Day projects and preparations.

New Ozaukee RC officers: pres N9QQA, vp WA9JOB, treas KA9DDN, secy W9KHH.

New Kettle Moraine RA officers: pres WA9O, vp WA1UJU, secy KC9CI, treas KC9BY.

New Madison Area Repeater Assn. officers: pres KB9AQQ, vp KA9QOT, secy N9KXW, treas WB9YON.

Four Lakes ARC has packet multi-ports access and new officers: pres KF9AF, vp NG9V, secy N9DRA, treas N9PQN.

New Washington County ARC officers: pres N9LLS, vp W9XT, secy N9LZW, treas KA9RNU.

Looking for ARES volunteers in the following

## Wisconsin Nets

| Net                                  | WNA | Freq.     | UTC  | CDT  | Mgr.   |
|--------------------------------------|-----|-----------|------|------|--------|
| BWN                                  | Yes | 3985      | 1100 | 0600 | W9AYK  |
| BEN                                  | Yes | 3985      | 1700 | 1200 | KE9VU  |
| WSBN                                 | Yes | 3985      | 2230 | 1730 | K9UTQ  |
| WNN                                  | Yes | 3723      | 2300 | 1800 | KA9FVX |
| WSSN                                 | Yes | 3645      | 2330 | 1830 | N9BDL  |
| WIN/E                                | Yes | 3662      | 0000 | 1900 | WB9ICH |
| WIN/L                                | Yes | 3662      | 0300 | 2200 | W9NGP  |
| NWTN                                 | Yes | 34/94     | 2330 | 1830 | NS9Q   |
| (Rhineland area)                     |     |           |      |      |        |
| RCRA                                 | No  | 01/61     | 2330 | 1830 | KA9OMC |
| (Mondays CDT) (Menomonee Area)       |     |           |      |      |        |
| Gr. Bay                              | No  | 72/12     | 0145 | 2045 | WB9NRK |
| (Green Bay Area)                     |     |           |      |      |        |
| ARES                                 | No  | 4.65/5.25 | 0100 | 2000 |        |
| (South East/South Central Wisconsin) |     |           |      |      |        |
| RACES                                | No  | 3993.5    | 1300 | 0800 | WA9OAY |
| (LSB Sunday)                         |     |           |      |      |        |

counties: Ashland, Bayfield, Crawford, Door, Douglas, Florence, Forest, Grant, Green, Jackson, Kewaunee, LaFayette, Langlade, Menomonee, Oconto, Pepin, Polk, Richland, Rock, Rusk, Sheboygan and Vernon. Contact WB9SMM, SEC, if you know of anyone who can help.

Congratulations to 100% ARRL affiliated clubs: Madison DX Club and Wisconsin Amateur Contest Organization.

New OOC is N6JSX of Manitowoc. K9DHR is D9RN Mgr.

Exams: May 6 Racine, Cedarburg; May 13 Madison, Oak Creek; May 17 West Allis; May 27 Wauwatosa, Tomahawk.

Sorry to report Silent Keys: WD9EEL (Elm Grove), KB9HCS (Thorp) and KA9UBW (Saukville).

Thought for the month: *The more a radio costs, the farther you have to send it for repairs.* ☐

## Emergency Service Sought

The ARRL has filed comments on FCC notices of proposed rule making concerning a proposed new Emergency Alert System (EAS) in FO Dockets 91-302 and 91-171.

The EAS proposal signals, the League said, the Commission's intention to integrate broadcast alerting concepts into local and regional emergency response plans, and said that the Amateur Service is a logical partner in providing emergency information to the public.

The League said that Amateur Radio has a history of providing emergency communication, through the Radio Amateur Civil Emergency Service (RACES) and the Amateur Radio Emergency Service (ARES). The ARRL said that while the Commission in its proposal had cited amateurs as an "auxiliary" entity in emergency communication operations, in fact the Amateur Service is a "principal" provider of communication during disaster relief and other emergencies.

The League said that Amateur Radio should be considered an available resource at all levels of EAS organization--local and state. The League, the ARRL said, has for some time had memoranda of understanding with the American National Red Cross, the Salvation Army, the Federal Emergency Management Agency (FEMA), the National Communications System (NCS/DOD), the Associated Public Safety Communications Officers Inc (APCO), and the National Weather Service.

The League suggested that EAS participants should be a part of overall emergency planning, not just emergency communication planning, and urged integration of Amateur Radio (as well as other radio services) into that planning.

- ARRL Bulletin ARLB020, 3/4/95

## Vanity Call Change Sought

Continued from front page

The League also said that, because some call sign regions would have fewer available call signs than others, allowing an "open field" would deplete the call sign pools in some regions, ultimately depriving some applicants who want a call sign in their own region the opportunity to obtain one. The ARRL cited in particular the limited call sign banks in Puerto Rico (KP4), Alaska (KL7), and Hawaii (KH6), as examples.

The ARRL said that otherwise it fully supports the Commission's vanity call sign proposal, and that it believes sufficient time is available to consider the League's proposed change before the FCC is ready to open Gate Two, the first that would be affected.

- ARRL Bulletin ARLB026, 3/21/95

## NTIA Releases Report

The NTIA has released its Spectrum Reallocation Final Report as required by the 1993 Omnibus Budget Reconciliation Act (OBRA). The OBRA sought to make spectrum presently allocated to the federal government available for nongovernment use.

In its preliminary report, the NTIA had proposed to make 2390 to 2400 and 2402 to 2417 MHz immediately available with 2300 to 2310 MHz to be available in 1996. These bands are allocated to the amateur service on a secondary basis. The ARRL and other amateur interests objected to any reallocation that would diminish the usefulness of these bands to amateurs. The principal users of 2400 to 2450 MHz are industrial, scientific, and medical (ISM) devices such as microwave ovens, the amateur service, and nonlicensed devices operating under FCC Part 15 rules.

Based on the public comments, the NTIA has concluded that subdividing 2400 to 2450 MHz into three parts, as originally proposed, would not best meet the needs of the principal users of the band. The NTIA Final Report says, "Reallocating the

Please turn to page 9

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## ARRL Operating Manual Revision

The 5th Edition of the *ARRL Operating Manual* will soon be in print and for sale worldwide. I volunteered to completely revise my chapter, Emergency Communications (Chapter 14), which is now 17 Manual pages long.

I made use of being a member of the ARRL Public Service Advisory Committee to ask others for their suggestions and updates. There are some new and interesting emergency communications concepts and activities in other states.

One concept I added is the Incident Command System. Other thoughts came from activity in Wisconsin that I hear about. Stan, WB9-RQR, EC of Washington County, helped with the revision. Barb, N9DIJ, did proof reading and made continuity corrections. I did the revisions using WordPerfect 5.1 and sent the disk to ARRL Headquarters, where they added some photos and graphics I recommended and merged it with other chapters.

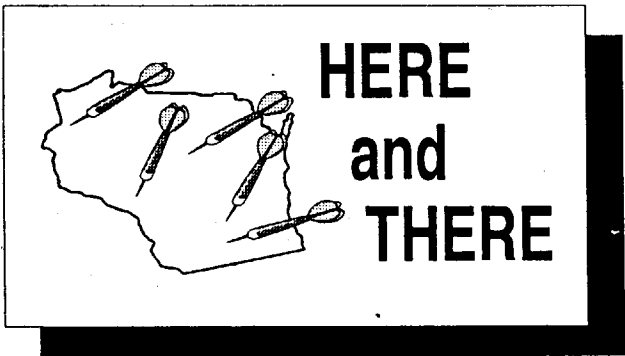
When I visit a library I've not been to before, I sometimes look for the *ARRL Operating Manual* and find Chapter 14. It's part of me on the shelf. It must be difficult to write a whole book, based on my experience with just a single chapter revision every few years, but I hope that the work will help someone and make a difference for Amateur Radio. You'll have to get a copy of the new *Operating Manual*, read it and let me know how I did on the revision. Thanks.

- Richard R. Regent, K9GDF

## QSY down







FCC Call Sign Update

The following is a list of the FCC's most recently issued call signs as of March 1.

| District    | Group A<br>Extra | Group B<br>Advanced | Group C<br>Tech/Gen | Group D<br>Novice |
|-------------|------------------|---------------------|---------------------|-------------------|
| 0           | AA0WWM           | KG0UD               | ++                  | KB0RFW            |
| 1           | AA1MK            | KD1ZZ               | N1UKU               | KB1BOC            |
| 2           | AA2WK            | KG2BJ               | ++                  | KB2TTD            |
| 3           | AA3KJ            | KE3RS               | N3UPB               | KB3BGN            |
| 4           | AE4EC            | KS4QB               | ++                  | KE4WEV            |
| 5           | AC5AZ            | KK5LJ               | ++                  | KC5MXP            |
| 6           | AC6KX            | KO6QY               | ++                  | KE6RKO            |
| 7           | AB7IK            | KJ7KR               | ++                  | KC7JFS            |
| 8           | AA8SN            | KG8PM               | ++                  | KB8YBA            |
| 9           | AA9OA            | KG9AS               | ++                  | KB9JLU            |
| N. Mariana  | KH0Q             | ++                  | KH0DT               | ++                |
| Guam        | WH2L             | AH2CZ               | KH2NC               | ++                |
| Midway      | ++               | AH4AA               | KH4AG               | WH4AAH            |
| Hawaii      | ++               | AH6NY               | ++                  | WH6CSX            |
| Am. Samoa   | AH8M             | AH8AH               | KH8CG               | WH8ABB            |
| Alaska      | ++               | AL7PY               | ++                  | WL7CLA            |
| Virgin      | WP2Q             | KP2CD               | NP2IA               | WP2AHV            |
| Puerto Rico | ++               | KP4YW               | ++                  | WP4MWU            |

++ All call signs in this group have been issued in this area.

- ARRL Bulletin ARLB012, 3/8/95

CQ Becomes "Young Ham of the Year Award" Co-sponsor

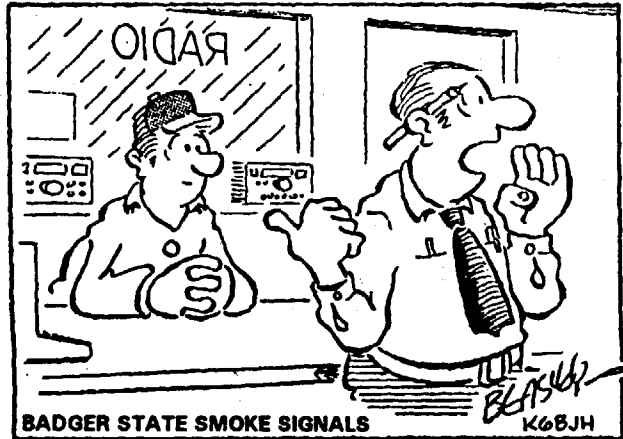
(Hicksville, New York) -- CQ The Radio Amateur's Journal is joining with Yaesu USA as a corporate co-sponsor of the "Young Ham of the Year Award," now being administered by the Amateur Radio Newline. The award to outstanding young amateurs has been presented annually since 1986.

"We view this award as an excellent opportunity to encourage young people in Amateur Radio," says Publisher Richard Ross, K2MGA, "and to show them that you don't have to be an 'old-timer' to make a significant contribution to the hobby. We are pleased to be able to add our support to keeping this award alive."

The Young Ham of the Year Award was originated in 1985 by Bill Pasternak, WA6ITF, who was then editor of the weekly "Westlink Report." It has continued under Westlink's sponsorship until the newsletter ceased publication in early 1995. Pasternak then brought the award under the umbrella of his "Amateur Radio Newline" audio news service. Yaesu USA will continue its long-time support of the award.

This year's winner will receive his or her award at the Huntsville, Alabama, hamfest on the weekend of August 18-19, 1995. CQ will be providing the winner with a VIP tour of Spacecamp/Huntsville and NASA's Marshall Space Flight Center.

Nominations for the Young Ham of the Year Award are open to any FCC-licensed ham radio operator aged 18 and younger, living in the United States, who has used Amateur Radio to significantly contribute to the benefit of the service, to the state of the communications art, to their community or to the nation.



HAVE WE GOT AN 18 HOUR CLOCK FOR THIS GUYS SAYS HE'LL PROBABLY SLEEP THE OTHER 6 HOURS

Silent Keys

Raymond H. Snider, W9MNG, of Mesa, Arizona and formerly of La Crosse, WI, died on February 23 in Mesa. He was 76. Ray was an electrical engineer. He is survived by his wife Cecil; daughter Cynthia (Sinder) Pierce, five stepsons and six grandchildren.

Ray was well-known in Wisconsin Amateur Radio circles. He served as Area Coordinator for Navy-Marine Corps MARS. He was active on traffic nets and helped establish the first La Crosse area two-meter repeater. He also was a former president of the La Crosse Radio Amateur Club. His presence will be missed.

Memorials may be made to the charity of your choice; Mesa City Adopt-a-Tree (125 N. Hobson, Mesa, AZ 85203; or Opportunity Village, Clear Lake, IA 50428.

- Bruce Bjerstedt, K9CUT, and George Halper, W9SUF

Nancy Hughes, KB9HCS, of Thorp, Wisconsin, died Thursday, February 2, 1995. Nancy was a Spanish teacher with the Thorp Public School.

Among her survivors are her husband, Richard (KB9HTY); two sons, Alan (KB9HTW), and Andrew, her parents, two brothers, and one sister.

- Richard Regent, K9GDF

All nominations must be submitted before June 30, 1995 on an official application available for a self addressed stamped envelope. Write to: 1995 Young Ham of the Year Award, c/o Newline, 28197 Robin Avenue, Saugus, California 91350. Official applications are also available electronically with an E-Mail request to: BILLWA6ITF on America Online; B.PASTERNAK on GENie or billwa6itf@aol.com via the Internet.

Past recipients of the Young Ham of the Year award include Shawn Alan Wakefield, AX5P, of Bartlesville, Oklahoma (1986); David Roseman, KA9PMK, of Muncie, Indiana (1987); Jonathan Binstock, NK3D, of Potomac, Maryland (1988); Erin McGinnis, KA0WTE, of Topeka, Kansas (1989); Mary Alestra, KB2IGG, of Staten Island, New York (1990); Richard S. "Sammy" Garrett, AA0CR, of St. Louis, Missouri (1991); Angela (Angie) Fischer, KB0HXY, also of St. Louis (1992); Kevin Boudreaux, N5XMH, of New Orleans, Louisiana (1993) and Allison Zettwoch, KD4CKP of Louisville Ky. (1994).

CQ The Radio Amateur's Journal, celebrating its 50th anniversary during 1995, is the flagship publication of CQ Communications, Inc., which also publishes and/or produces Popular Communications, Communications Quarterly, Micro Computer Journal, Electronic Servicing & Technology, CQ Guides, PopComm Guides, CQ Books & Videos.

- CQ news release

Foundation for Amateur Radio Announces Scholarships

Includes awards from West Allis Radio Amateur Club, South Milwaukee Amateur Radio Club

THE FOUNDATION FOR AMATEUR RADIO, INC., a non-profit organization with headquarters in Washington, D.C., plans to administer fifty-six (56) scholarships for the academic year 1995 - 1996 to assist licensed Radio Amateurs. The Foundation, composed of over seventy-five local area Amateur Radio Clubs, fully funds five of these scholarships with the income from grants and its annual Hamfest. The remaining fifty-one (51) are administered by the Foundation without cost to the various donors.

Licensed Radio Amateurs may compete for these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled in or have been accepted for enrollment at an accredited university, college or technical school. The awards range from \$500 to \$2000 with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs. Clubs, especially those in Delaware, Florida, Maine, Maryland, New Jersey, Ohio, Pennsylvania, Virginia and Wisconsin, are encouraged to announce these opportunities at their meetings, on their nets, during training classes, and in their club newsletters.

Wisconsin clubs offering scholarships, the amounts and number of awards, and requirements are:

The WARAC Memorial Scholarships, which pay \$1000 each, are sponsored by the West Allis Radio Amateur Club, Inc. of Milwaukee, Wisconsin. Three scholarships will be awarded. Applicants must hold an Amateur Radio license, be residents of the state of Wisconsin, and plan to attend a school in Wisconsin, pursuing at least an Associate degree. Those seeking graduate degrees are also eligible.

The South Milwaukee Amateur Radio Club Scholarships, with four to be awarded, pay \$500 each. Applicants must hold an Amateur Radio license and intend to seek an Associate or baccalaureate degree in Electrical Engineering or technology from a college or university in the U.S. They may reside in Wisconsin, Illinois or Indiana, with preference given to Wisconsin residents.

Additional information and an application form may be requested by letter or QSL card, postmarked prior to April 30, 1995 from: FAR Scholarships, 6903 Rhode Island Avenue, College Park, MD 20740.

The Foundation for Amateur Radio, incorporated in the District of Columbia, is an exempt organization under Section 501(C)(3) of the Internal Revenue Code of 1954. It is devoted exclusively to promoting the interests of Amateur Radio and those scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service.

- FAR news release

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April 1995



# Mode A Satellite Operation Improvisation

By Steven Miller, KB9DFE  
P. O. Box 353, Milwaukee, WI 53201-0353

A perennial problem for amateur radio operators looking to become active in amateur satellites is a lack of equipment. With just a little bit of ingenuity and radios found in almost every hams' shack, soon you can be making contacts in amateur radio's fastest growing facet, amateur radio satellites.

## INTRODUCTION

My introduction to amateur satellites began as soon as I received my Novice license. While tuning my new TS-830S transceiver on 10 meters, I began hearing some interesting signals between 29.350 to 29.400 MHz that faded out almost as soon as they appeared. Signals would appear in this band about every 90 minutes and last 15 minutes or so in duration. Most of the CW transmissions I heard were too fast for this Novice to copy, but I could hear callsigns on voice from throughout the country calling "CQ RS-10." With some help from the *ARRL Handbook*, I determined I was listening to the downlink from a Russian-built amateur satellite operating in Mode A configuration; two meters uplink and 10 meters downlink. With some reading, I determined I would have to upgrade to at least a Technician class license if I wanted to communicate via the satellite.

## EQUIPMENT

With my upgrade to Technician, I realized I would need some proper equipment to communicate with others on RS-10. Because of FM's large bandwidth, I learned that it is not allowed on linear transponders such as those on RS-10. The only acceptable modes are SSB and CW. My only available equipment was my TS-830S, which is well suited for a downlink radio and a TH-25AT handheld as my only transmitter for two meters. I was discouraged not only by the limitations of my transmitting equipment but by the expense of better-suited radios. I would have to be creative and improvise if I wanted to get on the "bird."

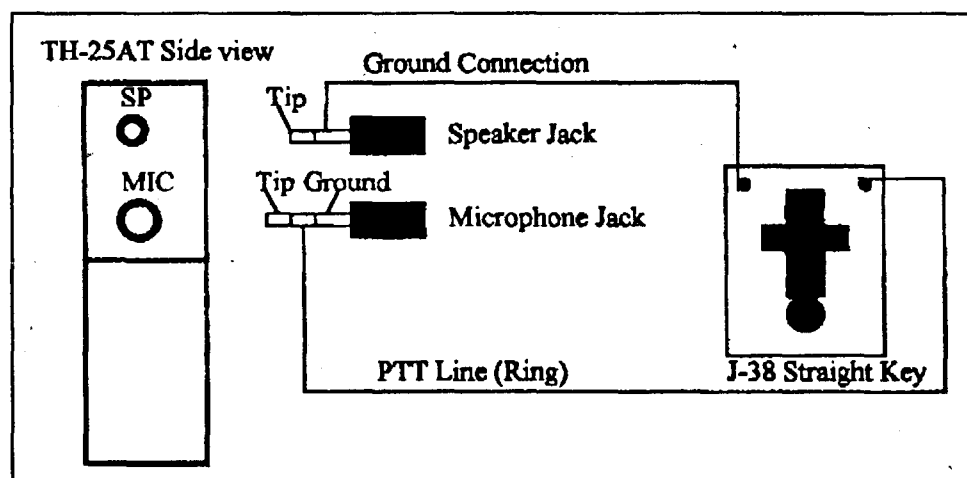
## CONSTRUCTION

My first thought was to simply squeeze my HT's Push To Talk switch in a method that would simulate CW transmissions. I wished that manufacturers would put a jack on HT's for a code key when I realized I could wire my old J-38 straight key into the external microphone jack. Figure 1 is an illustration of how this can be done for the Kenwood TH-25AT *only*. The circuit is based on shorting out the PTT line by grounding it through the key. I used insulated, 24 gauge solid copper wire for the connections. The jacks are a 1/8 inch stereo plug for the mic jack connection and a 1/16 inch mono plug into the speaker jack. One wire is connected between the ground connection on the speaker jack and the key. The other is to the middle "ring" on the microphone jack to the other key terminal.

I have no other experience with other brands of radios but I know that both ICOM and Yaesu have different keying configurations than Kenwood. The best way to figure out the keying mechanism on your radio is to consult the schematic diagram.

## OPERATION

After wiring up the handheld, I thought I was all set to make contacts with other like-minded amateurs throughout the hemisphere. Unfortunately, I didn't have the antennas for a powerful enough uplink signal and copying the downlink on my TS-830S with a 40 meter dipole on 10 meters, the signal was marginal at best. For my Mode A Improvisation first test on satellite I would have to operate "DXpedition" style. I set up a table in the front yard and hauled the '830 out of the shack as well as my TH-25AT and power supply. To complement my success in wiring the handheld, I modified an old CB 11-meter quarter-wave vertical for 10 meters and connected it to the '830. My uplink antenna was an RX-2 Hustler magnetic mount that I placed on my car. I was now all set and, without the aid



Wiring diagram for CW keying the Kenwood TH-25AT

|       |         |          |         |          |          |    |      |          |
|-------|---------|----------|---------|----------|----------|----|------|----------|
| RS-15 | 04Mar95 | 01:08:02 | 03Mar95 | 19:08:02 | SW TO NE | 87 | 2123 | 00:30:02 |
|       | 04Mar95 | 03:22:50 | 03Mar95 | 21:22:50 | W TO NE  | 36 | 3020 | 00:29:50 |
|       | 04Mar95 | 03:40:30 | 03Mar95 | 23:40:30 | NW TO E  | 27 | 3487 | 00:28:30 |
|       | 04Mar95 | 07:55:54 | 04Mar95 | 01:55:54 | NW TO SE | 47 | 2678 | 00:30:54 |
|       | 04Mar95 | 10:09:03 | 04Mar95 | 04:09:03 | NW TO S  | 66 | 2279 | 00:30:03 |
|       | 04Mar95 | 12:23:01 | 04Mar95 | 06:23:01 | NW TO SW | 15 | 4198 | 00:22:01 |
|       | 04Mar95 | 16:24:43 | 04Mar95 | 16:24:43 | SE TO NE | 19 | 3897 | 00:22:43 |
|       | 04Mar95 | 22:24:43 | 04Mar95 | 18:31:49 | S TO NE  | 75 | 2169 | 00:30:49 |
| RS-15 | 03Mar95 | 00:27:23 | 04Mar95 | 18:27:23 | SW TO NE | 41 | 2723 | 00:30:23 |
|       | 05Mar95 | 00:32:17 | 04Mar95 | 18:32:17 | SW TO NE | 76 | 2140 | 00:30:17 |
|       | 05Mar95 | 02:46:04 | 04Mar95 | 20:46:04 | W TO NE  | 42 | 2791 | 00:29:04 |
|       | 05Mar95 | 03:03:37 | 04Mar95 | 23:03:37 | W TO NE  | 26 | 3488 | 00:28:37 |
|       | 05Mar95 | 07:19:38 | 05Mar95 | 01:19:38 | NW TO E  | 40 | 2879 | 00:29:38 |
|       | 05Mar95 | 09:33:00 | 05Mar95 | 03:33:00 | NW TO SE | 81 | 2148 | 00:30:00 |
|       | 05Mar95 | 11:46:27 | 05Mar95 | 03:46:27 | NW TO SW | 21 | 3716 | 00:25:27 |
|       | 05Mar95 | 21:51:05 | 05Mar95 | 13:51:05 | SE TO NE | 12 | 4369 | 00:20:05 |
|       | 05Mar95 | 23:56:19 | 05Mar95 | 17:56:19 | S TO NE  | 60 | 2317 | 00:29:19 |
| RS-15 | 06Mar95 | 02:08:55 | 05Mar95 | 20:08:55 | SW TO NE | 50 | 2548 | 00:30:55 |
|       | 06Mar95 | 02:09:19 | 05Mar95 | 20:09:19 | SW TO NE | 47 | 2584 | 00:30:19 |
|       | 06Mar95 | 04:26:29 | 05Mar95 | 22:26:29 | W TO NE  | 37 | 3464 | 00:28:29 |
|       | 06Mar95 | 06:43:07 | 06Mar95 | 00:43:07 | NW TO E  | 35 | 3097 | 00:29:07 |
|       | 06Mar95 | 08:56:50 | 06Mar95 | 02:56:50 | NW TO SE | 82 | 2166 | 00:30:50 |
|       | 06Mar95 | 11:09:59 | 06Mar95 | 05:09:59 | NW TO S  | 30 | 3284 | 00:27:59 |
|       | 06Mar95 | 21:18:07 | 06Mar95 | 15:18:07 | SE TO NE | 6  | 4874 | 00:16:07 |
|       | 06Mar95 | 23:20:56 | 06Mar95 | 17:20:56 | S TO NE  | 47 | 2602 | 00:28:56 |
|       | 07Mar95 | 01:32:22 | 06Mar95 | 19:32:22 | SW TO NE | 60 | 2358 | 00:30:22 |

Using a satellite tracking program takes the guesswork out of working the birds. These orbital projections are of visible passes by the new Russian RS-15, and were produced by Traksat. A number of similar programs are available for this purpose. The printout shows the satellite designator, date in UTC, time in UTC, date in CST, time in CST, direction of the pass, highest elevation the satellite will reach on the pass, the closest distance of the pass, and the time duration of the pass.

of a satellite tracking program, I had to wait to hear RS-10's telemetry on 29.357 MHz. Soon I heard the CW beacon and tuned my HT into the uplink passband and the TS-830S to the appropriate downlink frequency. I sent out a few test V's and my callsign and heard my signal coming back to me at a strength of S5 to S6 with a very pleasant tone but, most importantly, no key chirps. I knew there would be no time to celebrate because the pass could soon be over so I began calling CQ.

I noticed that my downlink signal gradually changed frequency as I unfruitfully called CQ during the entire pass. This was my personal introduction to Doppler shift and, unfortunately, the HT's tuning steps are a cumbersome 5 kHz per increment. This limits the effectiveness of HT's as uplink radios for long conversations.

## REFLECTION

While this system was crude and my first attempt yielded no contacts, subsequent passes have netted me contacts in many states and Canada. I've also installed my equipment back in the shack but still use the TH-25AT and five watts as my only uplink. I've improved my antennas with a tribander for the '830 and a 10 element beam for the HT, both at 45 feet in the air. I also sharpened my satellite user skills through reading books such as the *ARRL Operating Manual* and *Satellite Experimenter's Handbook*.

With the recent launch of RS-15, there is no better time to try experimenting with Mode A birds. This appears to be the last Mode A satellite coming from the former Soviet Union so give these satellites a try while they last! □

## Space Astronomy

By Richard R. Regent, K9GDF  
5003 South 26th Street, Milwaukee, WI 53221

Donald Michalski, W9IXG, is Associate Director for the University of Wisconsin's Space Astronomy Laboratory at 1150 University Avenue, Madison. Don designs the electronics for telescopes that are flown in space to observe the stars in the far ultraviolet spectrum.

The Wisconsin Ultraviolet Photo-Polarimeter Experiment, designed and built at U.W.-Madison Space Astronomy Laboratory, including a telescope which weighs 800 pounds, participated in a major scientific undertaking when it was launched for a second journey into space on March 2, 1995; its first was aboard the shuttle Columbia in December, 1990. During March, Don was in Huntsville, Alabama, supporting the shuttle Astro-2 mission.

Astro-2 continues the exploration of the invisible universe of ultraviolet astronomy, building on the experience and scientific data obtained on the first Astro flight. The second mission will fill the gaps in our knowledge about ultraviolet astronomy, expand and refine existing data, and help astronomers better understand star formation, evolution, and our dynamic universe.

During the planned 16-day flight, operations continued around the clock so as many observations as possible could be made. Astronomers like Don receive telescope data. If the data revealed something unexpected or if an unforeseen

astronomical event occurred - as happened during Astro-1 with the outburst of a cataclysmic variable star - the instrument teams work with the cadre to develop changes to the time line. This allows the investigators to explore the unexpected and take advantage of science opportunities that may arise during the mission.

W9IXG is an active Official Observer in Wisconsin, and monitors mostly the HF bands helping amateurs with broad SSB signals and audio distortion problems. Don says, "With all the good things ARRL has done over the years, becoming an ARRL volunteer was the right thing to do to help pay back!" He's really enjoying it! □

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# K9AA Will Be Remembered

By Richard R. Regent, K9GDF  
5003 South 26th Street  
Milwaukee, WI 53221

Aldrich C. Krones, Extra class K9AA, passed away December 16, 1994, at the age of 89.

His first radio interests began with spark gap transmitters that he watched closely in the radio room aboard ships. His dad was stationed on ships and Al sometimes got to travel along. He eventually built various radios and had a whole table as a breadboard transmitter. He was licensed in 1920 as 9ELD, and then as 8AIE, 9EVE, W9UIT and W9CM.

Soon Al was Chief Engineer at The Milwaukee Journal WTMJ stations and later enjoyed being a technician and operator at the Police Communications Radio Shop (WPDK) on 47th and Vliet in Milwaukee. I first saw Al around 1956 on the second floor of the Shop busy with CW nets sending with a bug and receiving telegraph messages using earphones. He worked for the Milwaukee Police Department for 44 years.

About 1947 he was ARRL Wisconsin Section Communication Manager and President and an active member of the Milwaukee Amateurs' Radio Club to further volunteer his help for Amateur Radio. He joined MRAC in 1931.

K9AA lived at 3288 South Illinois Avenue in Milwaukee for many years. He would report that his backyard folded dipole would get higher each year, one end was fastened to a tree. "Egads," Al would say, checking the cycles per second accuracy of his Ten Tec Paragon frequency readout on the Sunday morning QCWA net.

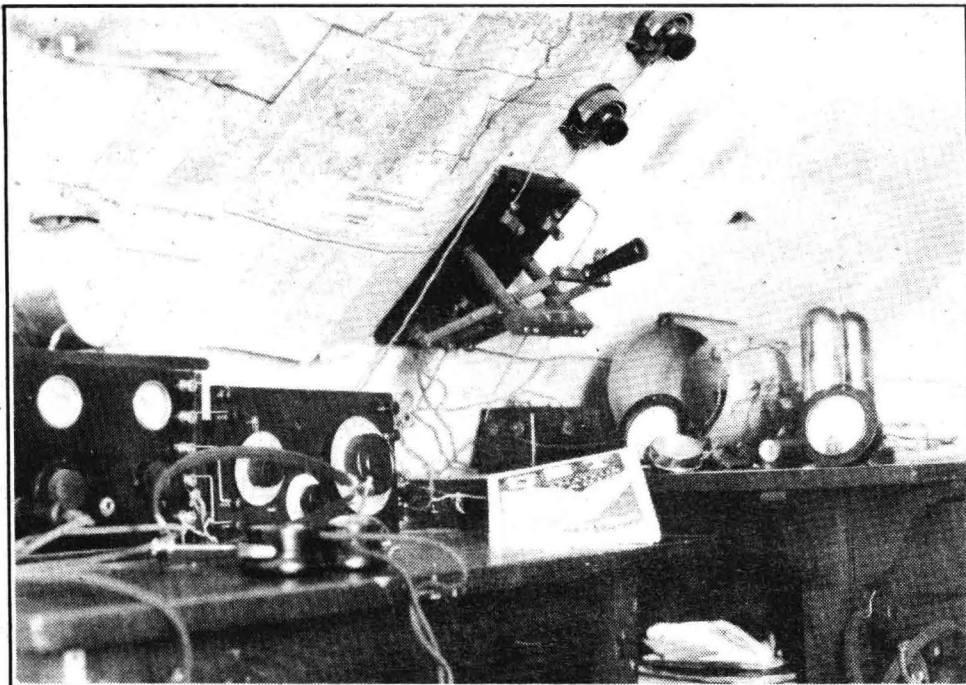
K9AA was always proud that his call was the top of many lists and first in the ninth call area of the Callbook. As some new fangled calls began with A, KA-KZ and N, his call, to his chagrin, moved down the lists.

Al's niece in Hales Corners has given W9SUF four albums of newspaper clippings and photographs depicting his many accomplishments. You may remember seeing the albums displayed at some QCWA Chapter 55 meetings over the years. The photos and documents reproduced with this story are from those albums and represent only a tiny fraction of the many years of history those albums contain.

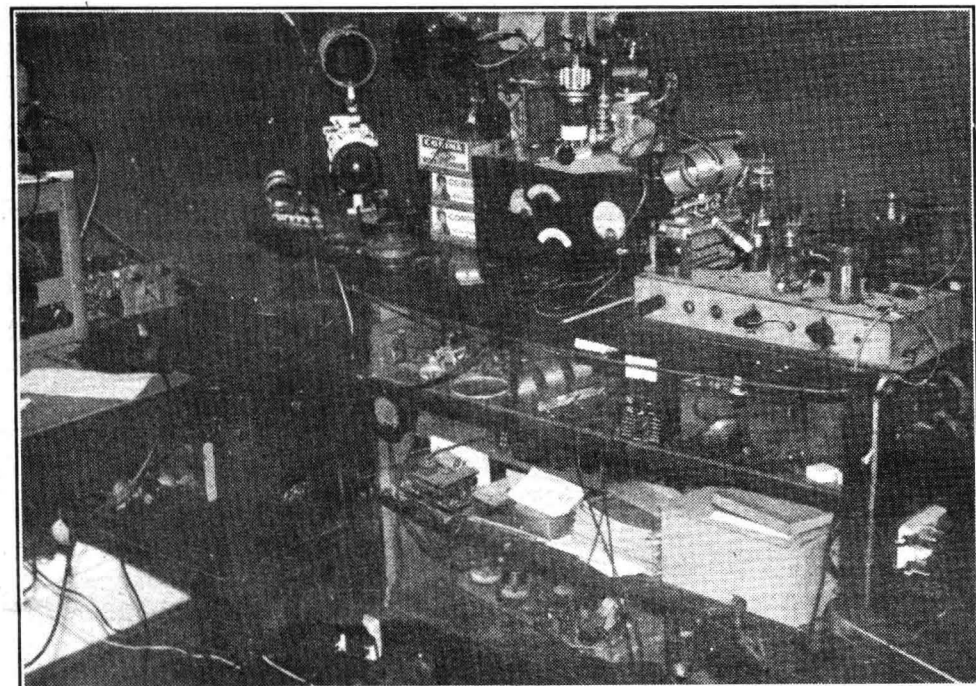
Al had been staying at the Mount Carmel Nursing Home in Milwaukee lately as his health worsened, and he always appreciated chatting with visitors and many ham friends. We will all miss K9AA.

W9SUF reflects several moments about his friend Al and yearningly says, "Great guy, the best in my book."

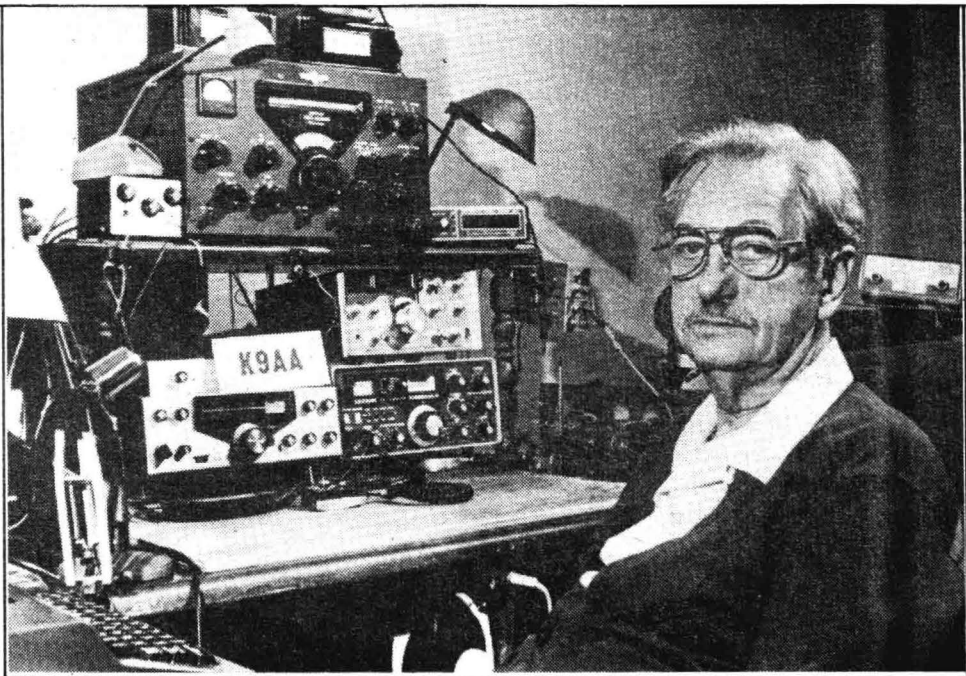
Memorials to K9AA may be made to the Wisconsin Humane Society. SK



Here's an early station of Al's. Note that huge knife switch, most likely a transmit/receive switch, and the copy of QST in the center on the desk.



In the 1950s, when Al held the call sign W9UIT, he homebrewed much of his equipment. He called this the "execution chamber," since nearly everything was wired in the open; even the high voltage for the transmitter's final stage was exposed. Apparently, the "chamber" never lived up to its name - fortunately.



Al Krones, K9AA

UNITED STATES OF AMERICA  
DEPARTMENT OF COMMERCE  
BUREAU OF NAVIGATION  
RADIO SERVICE

No. 24957

### License to Radio Operator, Amateur Second Grade

This is to certify, that Aldrich C. Krones has presented satisfactory evidence that he has a knowledge of the adjustment and operation of apparatus and of the regulations of the Radiotelegraphic Convention and the Acts of Congress, in so far as they relate to interference with radio communication and impose certain duties on all grades of operators, sufficient to entitle him to a license, and he is hereby provisionally licensed as RADIO OPERATOR, AMATEUR SECOND GRADE, until he has been duly examined, but not to exceed a period of one year.

He has also shown that he has knowledge (excellent or good) of the following additional subjects:

- (a) General adjustment, operation, and care of apparatus Good
- (b) Transmitting and sound reading Continental Morse at a speed of 10 words a minute.
- (c) General knowledge of international regulations and Acts of Congress to regulate radio communication Good

Et. Beane  
(Certifying Officer)  
(Time)

Oath of secrecy executed:  
P. J. P. P.  
(Filing Office)

HERBERT HOOVER  
Secretary of Commerce

D. B. CARSON  
Commissioner of Navigation

Place \_\_\_\_\_ Date June 6, 1923.

Al's Amateur Radio history goes back many years, indeed. Here is his first operator's license, issued June 6, 1923.

Ing. MARIO SANTANGELI

MILANO ( ) ITALIA

A Radio 9ELD. Ho ricevuto da comunicato con VOI il 22 sept 24 alle ore GMT 04.46  
Vostri segnali accu udibili R3/4 su QRH 82. Localmente QRN lat  
QSS bad &

| Caratteristiche della Stazione 1ER                          |                                    |                                  |
|---|------------------------------------|----------------------------------|
| Trasmittitore   | Ricevitore                         | Antenna                          |
| Tipo <u>Coupled Hartley mlf</u>                             | Tipo <u>1MO</u>                    | Tipo <u>4 Wires Insulated L</u>  |
| Potenza Watt <u>100/150 w</u>                               | triodi A.F. tipo <u>---</u>        | Lunghezza m <u>15 ± 10</u>       |
| Tensione in Volt <u>1000 2A.C.</u>                          | Raddrizzatore <u>Mino</u>          | Altezza m <u>3 on the roof</u>   |
| Generatore <u>Transf. 42 A.</u>                             | triodi B.F. <u>---</u>             | Diametro gabbia m <u>0.50</u>    |
| Tipo di triodo <u>Tellurium</u>                             | Ricevitore telefonico <u>120 w</u> | Resistenza su 115 ohm <u>2</u>   |
| Corrente antenna <u>0.8</u>                                 | Circuito <u>low loss</u>           | Capacità statica mF <u>0.035</u> |
| Tipo di condensatore antenna <u>Special S. QST octob 24</u> |                                    | Orientamento <u>Nord</u>         |
|   |                                    | Wkg. wave <u>90 mts</u>          |
| Tipo <u>3 Wires Fan</u>                                     | Contrappeso lung. m <u>23</u>      | Altezza sul suolo m <u>22</u>    |

DX Trasmissione: Belgio, Danimarca, Finlandia, Francia, Inghilterra, Italia, Lussemburgo, Olanda

PSE QRK? QSL con cartolina - 73's da Ing. Mario Santangeli  
Membro del RCI - AEI - ARRL

This QSL card, from Milan, Italy, is dated September 22, 1924. It says Al's AC CW signal was readability 3 to 4 on a wavelength of 82 meters. It's made out to "U9ELD." The "U" stood for United States, and is an unofficial prefix. A system of such prefixes was worked out so amateurs could determine who was where before a regular system of call sign prefixes had been internationally adopted and put into use.

W1MK
The Headquarters Station of the  
AMERICAN RADIO RELAY LEAGUE, INC.  
38 LaSalle Road, West Hartford, Connecticut, U. S. A.

TRANSmitters, two 500-watt: A '61 crystal controlled temperature-controlled; two '01As in T.P.T.G. Power Supplies: 2000 volt M.G., also mercury vapor rectified and filtered d.c. ANTENNAS: Horizontal Hertz 14 A, also A or 2 A; FADERS: Two-wire voltage fed "beep" 1/4 wave 3500 kc., 1/4 or 5/4 wave 7 or 14 mc. BAND: 1750 kc., 3500 kc., 7 mc., 14 mc.

Other station equipment in photo: Receiver, c.e. frequency meter, monitor, toggles and other controls, "automatic" tape transmitter used for sending addressed information to A.R.R.L. members daily (except Wed. and Sat.) at 8 p.m., 10 p.m., and midnight E.S.T. simultaneously on frequencies in two bands. See QST or Radio Amateur's Handbook for schedule of operation.

Dear W9UIT Glad QSO  
on 1/4/36 at 9:50 P.M. E.S.T.  
QTH RST 469x 40A  
Thanks for  
nice qso, Al.  
Happy New Year.  
Very 73,  
"Hul" Bubbs  
Operator

One card from Al's QSL collection is from League HQ station W1MK. A flood destroyed W1MK a few years later; it was rebuilt and is now W1AW.



## Hamvention Honors Trio

The Dayton Hamvention has announced its three major award winners for 1995.

The Hamvention Amateur of the Year is Rosalie White, WA1STO. Rosalie, 45, is manager of the ARRL Educational Activities Department, a member of the Shuttle Amateur Radio EXperiment (SAREX) Working Group, and coordinates ARRL continuing education workshops held at major conventions around the country. She holds an Advanced class license and has been a licensed amateur since 1970.

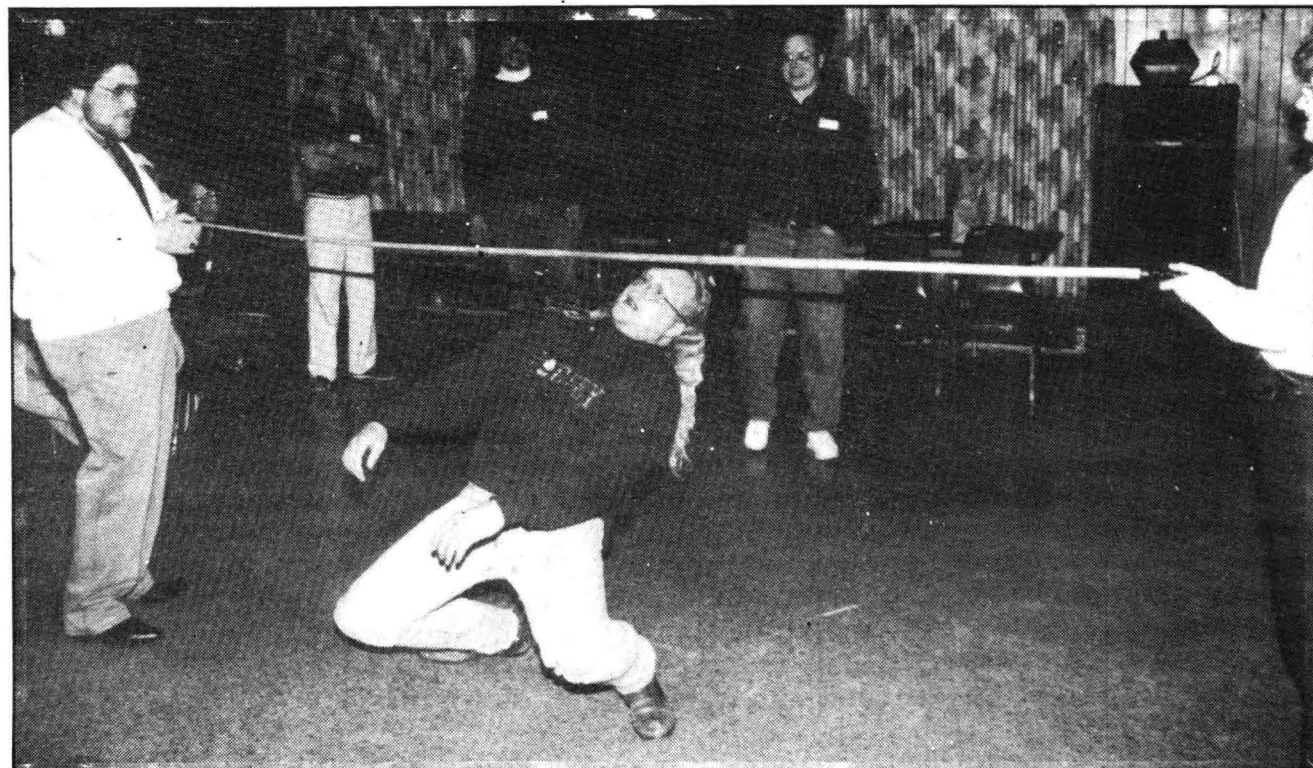
Winner of the Hamvention Special Achievement award is Ed Briner, WA3TVG, of Acme, Pennsylvania. Since 1979, Ed, who is 68, has been involved in humanitarian work providing medical assistance through the Medical Amateur Radio Council (MARCO). He is editor of the MARCO newsletter.

Philip Ferrell, K7PF, is the Hamvention Technical Excellence Award recipient for 1995. Phil, 61, holds a doctoral degree in electrical engineering, and is retired from the Boeing Company in Seattle. The Hamvention cited him for developing "FingerPrinting," a method of identifying radio transmitters by their on-the-air "signature."

For five of the past six years, an ARRL official or employee has been the Hamvention's Amateur of the Year. In addition to the 1995 Hamvention Amateur of the Year, Rosalie White, WA1STO, they include ARRL Hudson Division Director Steve Mendelsohn, WA2DHF (1990); retired ARRL General Manager (and now International Amateur Radio Union President) Dick Baldwin, W1RU (1992); former ARRL director and now president emeritus Harry J. Dannels, W2HD (1993); and retired ARRL Washington Area Coordinator Perry Williams, W1UED (1994).

- ARRL Bulletin ARLX013, 3/21/95  
and ARRL Bulletin ARLX015, 3/24/95

## How Low Can You Go?



At their annual party, some Sheboygan County Amateur Radio Club members proved they do more than just yak it up. Here's a shot of a limbo contest. No identification of those in the photo was provided, nor do we know who won (Maybe they didn't WANT anyone to know?). We can only surmise there was a lot of fun and probably a few embarrassing moments, too.

- Photo courtesy Steve Meifert/KF9KZ

## ARRL President's Condition Improves

The condition of ARRL President George Wilson, W4OYI, who suffered a stroke on February 11, has improved. In the next few days he is expected to be transported by air ambulance from the Virginia hospital where he has been undergoing

treatment, to his home town of Owensboro, Kentucky. George will enter a transitional care facility in Owensboro until he is ready for admission to a rehabilitation facility.

Friends may send cards to George's home address: 1649 Griffith Avenue, Owensboro KY 42301.

- ARRL Bulletin ARLB028, 3/24/95

## Amateurs Get Point-to-Point Data Relay in 219-220 MHz

*Continued from front page*

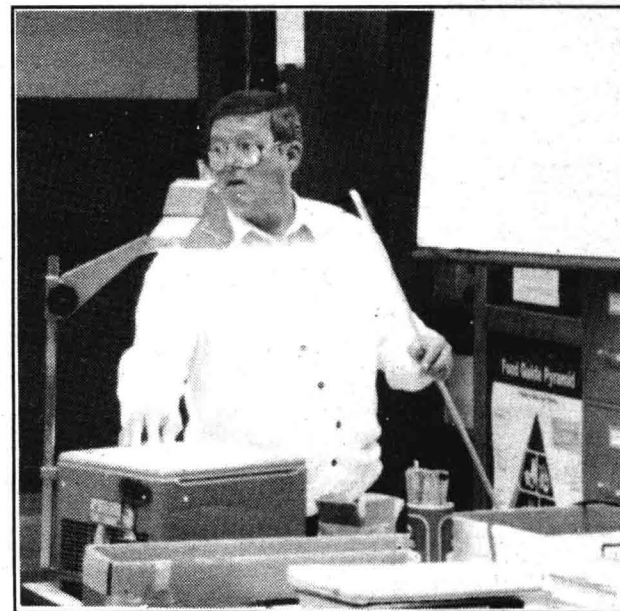
AMTS coast station must obtain the written approval of the AMTS licensee prior to operating. Amateur stations within 398 miles of an AMTS coast station must notify the AMTS licensee in writing at least 30 days prior to initiation of operations. The ARRL will assist amateurs in fulfilling these requirements.

Amateur stations operating in the 219 to 220 MHz band are not permitted to interfere with, nor are they protected from interference by, primary service operations in and adjacent to the band.

The FCC action climaxes almost six years of effort by the ARRL. For additional background see May 1993 *QST*, page 9. Full details will appear in May 1995 *QST*.

- ARRL Bulletin ARLB025, 3/17/95

## Rules, Regs, and Ham Radio



The Sheboygan County Amateur Radio Club's Ham of the Year, Tom Hetzel, AA9BJ, shows one reason why he qualified for that honor: he is teaching a class for new ham radio operators.

- Photo courtesy Steve Meifert/KF9KZ

## Lakeshore Hamfest

### Electronics & Computer Swapfest Manitowoc County Expo

Intersection of Hwys 42-151 and I-43 on County Hwy R (Follow signs to Expo Center)

## Saturday, May 13, 1995

Doors open at 8 a.m.

Friday night set-up for vendors till 10:00 p.m.

or early Saturday morning

Accommodations for vendor drive-ins

FCC amateur exams

For more information, call

GLEN (414)-684-7096 any time

RED (414)-684-9097 days

Call - in repeater frequencies

146.61- or 147.03+

## FOOD - DOOR PRIZES - BEVERAGES



Send reservations to:

Mancorad Radio Club  
P.O. Box 204  
Manitowoc, WI 54221-0204

Please send

S.A.S.E.

Name: \_\_\_\_\_  
Street: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Advance Admissions \$2.00 each  
Reserved 8' Tables \$4.00 each  
Electric Outlets \$5.00 each  
TOTAL \_\_\_\_\_

\*Admission \$3.00 at the door

FCC Exams (all classes)  
Silver Lake College (Hwy 151)  
Test Registration closes at 9:00am

Please Send a S.A.S.E.



# ARES SKYWARN REPEATER DIRECTORY

March 1995

| COUNTY               | FREQUENCY | PL      | LOCATION        | EC OR CONTACT |
|----------------------|-----------|---------|-----------------|---------------|
| ADAMS.....           | 145.29/R  |         |                 | K9CJM         |
| ASHLAND.....         | 146.61/R  |         | BAYFIELD        |               |
| BAYFIELD.....        | 146.61/R  |         | BAYFIELD        |               |
| BROWN.....           | 147.36/R  | (107.2) | GREEN BAY       | N9VJL         |
| BURNETT.....         | 147.300/R |         | SPOONER         | WB9RBD        |
| CALUMET.....         | 147.30/R  | (107.2) | NEW HOLSTEIN    | KN9P          |
| CHIPPEWA.....        | 146.91/R  |         | EAU CLAIRE      | N9ISN         |
| CLARK.....           | 146.755/R |         | NEILSVILLE      | N9GHZ         |
| COLUMBIA.....        | 146.88/R  | (123.0) | BARABOO         | K9EN          |
| CRAWFORD.....        | 146.97/R  |         | LA CROSSE       |               |
| DANE.....            | 147.15/R  | (123.0) | MADISON         | KA9JPZ        |
| DODGE.....           | 146.64/R  |         | JUNEAU          | KA9FNE        |
| DOOR.....            | 147.21/R  |         | STURGON BAY     |               |
| DOUGLAS.....         | 146.94/R  |         | DULUTH          |               |
| DUNN.....            | 146.61/R  |         | MENOMONIE       | NX9F          |
| EAU CLAIRE.....      | 146.91/R  |         | EAU CLAIRE      | N9LIJ         |
| FLORENCE.....        | 145.11/R  | (107.2) | WABENO          |               |
| FOND DU LAC.....     | 147.09/R  | (107.2) | FOND DU LAC     | K9GEI         |
| FOREST.....          | 145.11/R  | (107.2) | WABENO          |               |
| GREEN.....           | 145.11/R  |         | MONROE          |               |
| GREEN LAKE.....      | 146.955/R |         | GREEN LAKE      | KB9UI         |
| IOWA.....            | 146.655/R | LINKED  | HOLLANDALE      | KB9AKM        |
|                      | 146.88/R  | LINKED  | BARABOO         | KB9AKM        |
| IRON.....            | 146.76/R  |         | SUPERIOR        | KT9I          |
|                      | 146.61/R  |         | BAYFIELD        | KT9I          |
| JACKSON.....         | 145.39/R  |         | TOMAH           |               |
| JEFFERSON.....       | 145.49/R  |         | FORT ATKINSON   | KF9EW         |
| JUNEAU.....          | 146.88/R  | (123.0) | BARABOO         | WB9WKV        |
| KENOSHA.....         | 147.27/R  |         | RACINE          | WB9LST        |
| KEWAUNEE.....        | 146.805/R | (107.2) | ALGOMA          | WB9RJB        |
| LA CROSSE.....       | 146.97/R  |         | LA CROSSE       | W9LZQ         |
| LANGLADE.....        | 145.31/R  |         | ANTIGO          | KF9CP         |
| LINCOLN.....         | 146.82/R  |         | WAUSAU          | N9HJF         |
|                      | 145.43/R  |         | TOMAHAWK        | N9HJF         |
| MANITOWOC.....       | 146.61/R  |         | MANITOWOC       | WB9ESM        |
| MARATHON.....        | 146.82/R  |         | WAUSAU          | KC9NW         |
| MARINETTE NORTH..... | 145.47/R  | (114.8) | CRIVITZ         |               |
| MARINETTE SOUTH..... | 147.00/R  |         | MARINETTE       | WB9NCT        |
| MARQUETTE.....       | 146.88/R  | (123.0) | BARABOO         |               |
| MENOMONEE.....       | 145.35/R  | (114.8) | SHAWANO         |               |
| MILWAUKEE.....       | 146.67/R  |         | MILWAUKEE       | WB9SMM        |
| MONROE.....          | 145.39/R  |         | TOMAH           | KB9GCV        |
| OCONTO.....          | 147.36/R  | (107.2) | GREEN BAY       |               |
|                      | 147.27/R  | (107.2) | GREEN BAY       |               |
| ONEIDA.....          | 146.94/R  |         | RHINELANDER     | K9BTP         |
| OUTAGAMIE.....       | 146.655/R | (107.2) | APPLETON        | KB9ENO        |
| OZAUKEE.....         | 146.97/R  | (127.3) | PORT WASHINGTON | WB9RQR        |
| PORTAGE.....         | 146.82/R  |         | WAUSAU          | NI9P          |
| PRICE.....           | 147.000   |         | PARK FALLS      | AG9G          |
| RACINE.....          | 147.27/R  |         | RACINE          | WB9RGO        |
|                      | 146.67/R  |         | MILWAUKEE       | WB9RGO        |
| RICHLAND.....        | 146.88/R  | (123.0) | BARABOO         |               |
| ROCK.....            | 146.67/R  |         | MILWAUKEE       |               |
| SAUK.....            | 146.88/R  | (123.0) | BARABOO         |               |
| SHAWANO.....         | 145.35/R  | (114.8) | SHAWANO         | KA9TCN        |
| SHEBOYGAN.....       | 147.06/R  |         | PLYMOUTH        |               |
| ST CROIX.....        | 147.33/R  |         | ROBERTS         | W9AVX         |
|                      | 145.13/R  |         | HUDSON          | W9AVX         |
| TAYLOR.....          | 147.15/R  |         | MEDFORD         | N9GHZ         |
| TREMPEALEAU.....     | 146.91/R  |         | EAU CLAIRE      | NQ9X          |
|                      | 146.97/R  |         | LA CROSSE       | NQ9X          |
| VERNON.....          | 146.97/R  |         | LA CROSSE       |               |
| VILAS.....           | 146.94/R  |         | RHINELANDER     |               |
| WALWORTH.....        | 146.67/R  |         | MILWAUKEE       |               |
|                      | 145.25/R  |         | HUBERTUS        |               |
|                      | 146.88/R  | (123.0) | BARABOO         |               |
| WASHBURN.....        | 147.300/R |         | SPOONER         | N9PHS         |
| WASHINGTON.....      | 146.73/R  |         | ST LAWRENCE     | N9LZW         |
|                      | 145.25/R  |         | HUBERTUS        | N9LZW         |
| WAUKESHA.....        | 146.67/R  | LINKED  | MILWAUKEE       | WB9SMM        |
|                      | 146.82/R  | LINKED  | DELAFIELD       | WB9SMM        |
| WAUPACA.....         | 146.925/R | (114.8) | WAUPACA         | N9BKJ/N9WBR   |
| WAUSHARA.....        | 147.39/R  |         | WAUPACA         | K9CUI         |
| WINNEBAGO.....       | 147.24/R  |         | OSHKOSH         | N9OSB         |
| WOOD.....            | 146.79/R  |         | WIS RAPIDS      | WB9QXO        |
|                      | 147.18/R  |         | MARSHFIELD      | WB9QXO        |

## SEVERE WEATHER OPERATIONS

|                    |          |         |           |
|--------------------|----------|---------|-----------|
| CWRA BARABOO.....  | 146.88/R | (123.0) |           |
| NWS NEW HUB.....   | 147.12/R |         | GREEN BAY |
| BACK-UP.....       | 145.19/R | (107.2) | MANITOWOC |
| NWS MILWAUKEE..... | 145.25/R |         |           |
| NWS WAUSAU.....    | 146.82/R |         |           |
| NWS DULUTH.....    | 146/76/R |         |           |

[Compiled by KB9BYQ with help from: [KB9ENO, NB9H, W9LZQ, KB9ALN, W9NGT]  
[N9GHZ, KB9AKM, KT9I, NX9F & AT&T]

Corrections or additions, please send to KB9BYQ @ KA9JAC.WI.USA.NA

# NTIA Report Released

Continued from page 4

entire 2400-2450 MHz band would provide the FCC with the opportunity to develop a long-term regulatory framework and strategy that meets the needs of the amateur service and addresses the requirements of a robust and growing Part 15 industry." The action, according to the NTIA, "creates a sense of stability regarding future non-Federal use and provides the opportunity to have a significant amount of spectrum for long-term development of non-licensed technologies."

As reported earlier, in a parallel proceeding, ET Docket 94-32, the FCC decided to make 2390 to 2400 MHz available for Part 15 use in addition to the existing Part 15 band of 2400 to 2483.5 MHz. The FCC has identified no additional services to be introduced into the 2390 to 2450 MHz band, and none are recommended in the NTIA report. The relative status of the amateur services and the nonlicensed Part 15 devices is the subject of a further FCC notice of proposed rule making in Docket 94-32.

The NTIA has accelerated the schedule for making 2300 to 2310 MHz available for additional non-Federal use, to August 1995, but with airborne and space-to-Earth links prohibited and commercial applications limited to less than 1 watt of power. Continuing amateur requirements for 2300 to 2310 MHz are detailed in the NTIA report. The FCC has as yet made no determination regarding possible new uses for the 2300 to 2310 MHz band.

The complete text of the NTIA Spectrum Reallocation Final Report is available by connecting through the Internet to <http://gopher.ntia.doc.gov> or to <http://www.ntia.doc.gov>. More information will be in May QST.

- ARRL Bulletin ARLB024, 3/17/95

## From the Old Goat

Jim Romelfanger,  
K9ZZ, Editor



The old goat was feeling his age the other day. He told us, in his own way (with a head-butt), to write this ourselves this time. So, that's what we did.

• The Hewlett-Packard ScanJet 3P is probably one of the smartest devices we have ever had the pleasure of using. That's not to mention the need, either. A lot of what you see in every issue has been run past that amazing little device, both word scanned and optical-character recognized and graphic material, too. You will see some of the graphic scanned material in the story about K9AA in this issue. And, all the cartoons are now scanned *right here*, without a trip to the copy store to size them. Hey, we can even type the BSSS credit line right on the cartoons; no fighting a tiny piece of paper with the credit line on it, its little backside loaded with rubber cement, and then trying to carve around it with a dull X-Acto knife. New product news releases and any other scannable copy submitted (most of it is) are also scanned and OCRed. To Larry McCalvy, WA9JMO, and others in southeastern Wisconsin, our sincere thanks for helping us procure a tool we sorely needed. You done good! And, thanks also to the Red Cedar Repeater Association for their contribution, too.

• The 1995 Wisconsin QSO Party is now history. It was the usual fun time, with lots of activity. We ran into a few friends of many years, as usual, which is one of the best party parts. Among those were Atlantic Division Director Hugh Turnbull, W3ABC (on 40 CW), Doug Smith, W9WI, formerly of Madison, now in sunny Tennessee, and Dick Lemme, KB9FA, of Oshkosh, who passed his Extra Class exam some time back. It was great to work them and many others too numerous to list here. Our score? *Bleah!* By the way, the goat did not operate with us; we're single-op. All the goat did was eat the scrawled-on note sheets. That's real recycling!

Watch for the official scores in the June issue of *Badger State Smoke Signals*. And, hopefully, see you all in the 1996 WQP. □



# PARTICIPATING CLUBS AND ORGANIZATIONS

## Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

P. O. Box 401 • Abbotsford, WI 54405-0401

### MEETING ANNOUNCEMENT

The next regular meeting will be held on Thursday, April 6th at 7 p.m. in the Emergency Government meeting room located in the basement of the sheriff's annex to the Taylor County Courthouse, corner of 2nd and Ogden Sts., Medford, WI. Talk-in on the 147.15 Medford repeater (+ 600 kHz) or 146.52 MHz simplex.

### EXCERPTS FROM MINUTES OF MARCH 2, 1995 MEETING

Meeting was called to order by President N9GEN. Present were KA9WDX, AA9LE, N9UBS, N9UBR, N9GEN, KB9BLV, N0IMJ, N9XZI, N9GHZ and KE4FE.

Minutes of the February 2, 1995 meeting were reviewed. There was one correction to the minutes, and that was that the 25-mile radius travel limit for VE testing was suggested by the Merrill group and not by our organization. Treasurer's report was presented by Treasurer, KA9WDX.

Motion by KB9BLV, seconded by N9UBR, to reimburse N9GHZ for expenses incurred for postage and BSS mailings. Motion carried.

N9GHZ reported that the club now has its own Tax Identification Number, which the bank where we have our checking account was requiring us to get. N9GHZ completed the required application form for the IRS. The paperwork was turned over to the treasurer for safekeeping.

N9GHZ reported that Nancy Hughes, KB9HCS, Thorp, a past member of our club, became a Silent Key on February 2nd. She had been battling with cancer. She was a Spanish teacher at Thorp High School. She is survived by her husband, Rich (KB9HTY) and two sons, Alan (KB9HTW) and Andrew. The secretary was directed to reimburse the family a sympathy card.

There was no further information available at this time concerning the proposal to share an antenna between our 2-meter repeater at Medford and a radio paging service.

There was some discussion concerning an informal proposal by the Merrill repeater group to establish linking between their 145.45 repeater and our 147.15 repeater. Motion by N9UBR, seconded by N9GEN, to have the club secretary write to the Merrill repeater group expressing our concerns in this matter and invite them to send a representative(s) to attend one of our upcoming meetings to discuss the matter further. Motion carried.

The possibility of forming a joint VE testing team with the Merrill area VEs was discussed. It was the consensus of the membership present not to pursue this matter further at this time, as our club already has a sufficient number of Volunteer Examiners to cover the one or two

exam sessions we presently conduct each year, and that most of our VE's would most likely not be interested in driving over to Merrill to work at exam sessions there on a regular basis.

It was mentioned that any of our club's VE's who would wish to voluntarily assist the Merrill testing team on an individual basis were certainly encouraged to do so.

Motion by N9GEN, seconded by N9GHZ, to have the club sponsor a VE exam session in Medford on Saturday, October 21, 1995. Motion carried. N9GHZ will take care of reserving the testing site, registering the test session with the ARRL and obtaining the necessary test forms and paperwork.

Meeting was adjourned.

### CLARK/TAYLOR COUNTY AMATEUR RADIO EMERGENCY SERVICE (ARES) NEWS

Mike Schoenfuss, N9GHZ  
ARES Emergency Coordinator

Don't forget to try to check into the weekly ARES net held Wednesdays at 8:30 p.m. on the Medford repeater (147.75/147.15). If the repeater is down or not functioning properly, alternate frequencies, in order, are 147.15 MHz simplex and 146.52 MHz simplex. You're also encouraged to volunteer for net control duty for the net.

Amateur Radio communications were again provided for the 3rd Annual Perkins-town P-Town Tramp snowshoe races and tours held on Saturday, January 21st in Taylor County. A total of 225 individuals participated in the events which included a 3-mile, 6-mile and "Mountaineer" race, and a one-fourth mile Fun Run for children. Those assisting in providing communications included: N9MHV, Neillsville, who served as Net Control Station (NCS), operating from his mobile but using a base station-style antenna; and N9ZLU, Neillsville, and N9RRF, Granton, operating portables along the race route. Frequency used was 146.52 MHz simplex. Those hams participating did indicate that they could have used more operators.

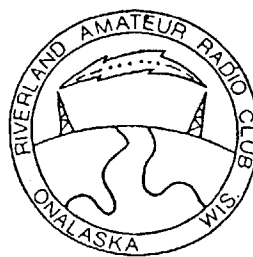
The severe storms/tornado season is almost upon us, and once again this year the Clark County Office of Emergency Government has arranged to have the National Weather Service provide SKYWARN training for Clark County area severe weather spotters including, of course, ham radio operators and ARES members. Two training sessions will be held, both on Thursday, April 20th. The first one will be from 1 p.m. to 3 p.m. at the Clark County Courthouse in Neillsville. The second one will be from 7 p.m. to 9 p.m. in the Clark Electric Auditorium in Greenwood. Please mark your calendars and plan to attend! (There is no charge.)

### LAST MINUTE EXAM ADDITION

May 6, Saturday, 9 am till Noon by the Kettle Morain Volunteer Exam Team, at the Masonic Lodge in Mukwonago. The exams are in the basement. Park on Highway 83 just south of Highway ES next to Horn's Hardware.

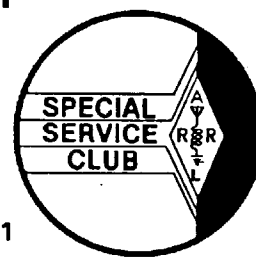
Contact Al Johnson AA7CS Team Liaison at 414-965-4340. Walk-ins are welcome if they bring picture ID, original and two copies of Amateur license and CSCE's. Exam fees are \$5.90. Make checks payable to ARRL VEC. No smoking please.

## Riverland Amateur Radio Club



Tom O'Brien, WB9BJQ  
Secretary

Club mail address: P.O. Box 621  
Onalaska, WI 54650



### MEETING MINUTES MARCH 7, 1995

The meeting was called to order at 7:00 p.m. by Greg, KA9FOZ.

Robin Janda, a representative from Radio Shack, was introduced as a guest.

Minutes of the February 7, 1995 meeting were approved as read.

Treasurer's report was also approved as read. Mark, N9UNW, reminded members that dues were due by this meeting. He also presented a detailed summary of the expenses that were incurred by the repeater. All members who participated in the project were thanked for their help.

Program committee: No program has yet been selected for next month.

Swapfest: Dick, K0JYB, mentioned that brochures were being sent to several Amateur Radio clubs and were being distributed at area swapfests.

440 Repeater: Dan, N9PZC, announced that the committee is still looking for money. They are investigating leads on the converter and controllers. Possibility of using home made devices was discussed but the thought of the membership seemed to be that commercial devices would serve us better.

Net Manager: Mike, N9LXI, announced all was going well with the net.

SKYWARN: SKYWARN training will be held in Cowley Hall at UWL on March 18 at 10:00 a.m. in Room 100. There will be a Red Cross disaster training drill on Saturday March 10, 1995. Those trained in disaster assessment are asked to participate if possible.

### OLD BUSINESS

Rick, KV9U, reported that our meeting site had been secured for the next year.

There was also a continued discussion of VE exams at the swapfest, but no final decision was made.

### NEW BUSINESS

There was a discussion of plans for a picnic in June separate from the Field Day exercise, but no decision was made.

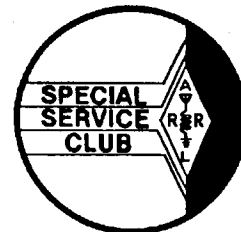
Kent, W9LZQ, announced that the WANA meeting will be the first Saturday in May.

Meeting was adjourned at 7:30 p.m., and a program given by the National Weather Service on Doppler radar followed.

## Mancorad Radio Club

Eric Rugowski, WD9IAB, Secretary

P.O. Box 204 • Manitowoc, WI  
54221-0204



**2-Meter Repeater: 146.01 Input/146.61 Output**

### MANCORAD MEETING MINUTES MARCH 8, 1995

The meeting was called to order by Club President Barney, N9XER, at 7:38 p.m. The minutes for the February meeting were approved by the club, as printed in *Smoke Signals*. Treasurer Glen, AA9MT, then read the treasurer's report, which was also approved by the club. He also informed the club that the raffle prizes for the hamfest (the 2M HT and the 2M SWR/power meter [which Ron, WS9X gave the meeting attendees additional information about]) had been purchased.

### OLD BUSINESS

Club President Barney, N9XER, informed the club that rent for using the Manitowoc County Expo Grounds (where the club's hamfest is held), has sharply increased recently. The Expo administrators have been persuaded to rent the facility to MANCORAD for this year's hamfest, at a lower increase in rent, than the new (higher) rate. Unfortunately, this will not be the case next year. Therefore, Barney suggested that the club look into possible alternate sites for future hamfests. These sites will be compared with the site now used out at Expo in terms of cost, and ease of accessibility from I-43. A decision will then be made as to whether or not the club will continue to use the Manitowoc County Expo Grounds for its hamfests. Howard, KE9YD, and Ken, WB9OBX, will look for alternate hamfest sites.

Several months ago, the club was informed that the club's repeater site out at the city shops on the south side of Manitowoc, was due to be upgraded in May to better serve all of the repeaters (local government, and non-government in nature) located at this site, by the end of May or June. Therefore, the MANCORAD board of directors recommended that the club purchase an S-COM 7K repeater controller (as recommended in Kuby's [N6JSX] report about possible upgrades to the club's repeater). This controller will have the capability to control multiple remote receive sites (which the club is considering to put up to eliminate areas in the county with poor repeater coverage), and provide extra memory space for more "macro" functions, such as voice mail. The club voted to approve funds for the purchase of this repeater controller.

### NEW BUSINESS

Kuby, N6JSX, told the club about a bulletin board that is being set up to provide MANCORAD members with information about club meetings, goings on, issues of concern to club members, etc. in a timely and readily accessible manner. It will be called the MANCORAD PBBS, and will be on 145.73 MHz. It will not be connected to N9GHE's packet node (which would have the effect of burying the club's PBBS files in the national distribution network, making them harder for club

Continued on page 12



## ManCoRad Radio Club

Continued from page 11

members to find). To access this PBBS, just connect directly to W9DK, or if you are unable to connect directly to it, connect via N9GHE-1 (note: as of March 11, sysops Kuby, N6JSX, and Clancy, KB9-ECW, had the bulletin board up and running). The MANCORAD PBBS will be operational 24 hours a day, 7 days a week, except for when it goes offline to do any file maintenance.

Howard, KE9YD offered to donate a PC to be used for this bulletin board, with the stipulation that the club set up a second station, to maintain its 2 meter emergency capability (due to the fact that the club's 2 meter antenna will always be in use for the bulletin board). Since MANCORAD is very much involved in emergency communications, the club agreed with Howard's suggestion for a second 2 meter station to be set up by the club, if the bulletin board goes on the air. The club voted to approve both the MANCORAD PBBS, and the setup of a second 2 meter operating position. Bob, KB9INK, said he would build the J-pole antenna for this new 2 meter operating position.

The club has two IBM PC XT's for sale. Any club members interested in purchasing them should contact Glen, AA9MT, or Barney, N9XER. Also, the club voted to approve the sale of a telescoping antenna mast (formerly on the

communications truck the club used to own) to Howard, KE9YD.

The meeting adjourned at 8:43 p.m., and refreshments were served.

73. Hope you had fun in the Wisconsin QSO Party.

Eric Rugowski, WD9IAB  
MANCORAD Secretary

### Meeting Attendees March 8, 1995

|          |        |
|----------|--------|
| Craig    | N9VIC  |
| Oran     | N9VIA  |
| Terry    | N9PZT  |
| Sharline |        |
| Bob      | KB9INK |
| Dick     | N9QFY  |
| Yogi     | WN9Q   |
| Bill     | N9XEZ  |
| Larry    | K9LWI  |
| Gene     | WB9DQD |
| Kuby     | N6JSX  |
| Red      | N9GHE  |
| Mary     | KB9GOY |
| Jim      | KB9GOX |
| Ken      | WB9OBX |
| Ken      | K9HAG  |
| Howard   | KE9YD  |
| Bill     | K9DUX  |
| Len      | N9QFO  |
| Paul     | N9QFX  |
| Glenn    | AA9MT  |
| Barney   | N9XER  |
| Ron      | WS9X   |
| Jeff     | N9XEV  |
| Eric     | WD9IAB |

## OFFICIAL PUBLICATION OF CENTRAL WISCONSIN RADIO AMATEURS, LTD.

At University of Wisconsin, Stevens Point



WB9QFW 2-Meter Repeater 146.07.67 and Club Station

P. O. Box 923 • Plover, WI 54467

### MINUTES OF MEETING MARCH 8, 1995

President Lori Jasper, KA9ZGD, called the meeting to order at 7:35 p.m. Tonight's program was a video tape from the ARRL entitled "Terrible Tuesday." The video coincided with the upcoming severe weather/tornado season. The video focused on the tornado which struck Wichita Falls, Texas and caused massive devastation.

Mary Eiden, KA9FAS, reported that she was unable to get the journal's approval to present a write up for Dick Drew's, K9PJB, *Who's Who in America* recognition. She did, however, have it in the last minutes in the BSSS. The journal's reason for not printing it was that they consider this a form of advertising since *Who's Who in America* is a book and they do not print free advertising. The minutes were read and approved as printed in the *Watts Snoo* in the BSSS. Joe Larson, N9JW, gave the treasurer's report. It was read and approved.

Ron Howe, N9JW, reported that there doesn't seem to be as much interference on the .985 machine. Everything seems to be working fine. Mike Pagel, KA9LAQ, reported that Jim Tuszka, N9MEB, has received the parts from Yaesu to modify the old Yaesu machine which use to be the .985, which will be .67. The receiver band width is now down to 7 kilohertz. It will now be more voice sensitive then it was. He is working on the transmitter right now. He hopes to get the work completed during Spring Break. He said he was going to come up with a 19-inch equipment rack so it would be easier to haul it around, unlike the one that's up there now. Mike said that .67 should be back on the air between the 20th and 25th of this month.

Lori, KA9ZGD, reported we are still looking for an EC between now and April. For the net, we would like to do a rotation of people running it. Joe Omernik, N9CGV, suggested that we have volunteers take it for a month at a time. Lori will send around the sign-up sheet.

Lori announced we will be taking orders for shirts. We have seven people signed up and we would like to get as close to a dozen as possible. A sheet went around so people could order shirts. Again, the prices were \$7.00 S-L, \$9.00 for XL - XXXL and an additional \$2.00 for a name and call sign to be put on the shirt. They also have plastic name tags so you can use it on any shirt.

Scott Jasper, NE9U, reminded everyone that the Wisconsin QSO Party was Sunday, March 12, 1995 from 12 p.m. to 7 p.m. He and Art Wysocki, N9BCA, will be mobile around the northern part of the state. Joe Larson, N9JW, reported that he will be at the club station to operate. He said people should come down and help operate. He also said that people could operate from their home QTH as well. Scott, NE9U, told the group when sending their scores in, to mark in the club affiliation spot Central Wisconsin Radio Amateurs, Ltd.

Art, N9BCA, reported that he is giving Mike, KA9LAQ, flyers to be run off for the Swapfest and that he should have raffle tickets next month. He said everything is going good. If dealers

register before May 30, 1995 they will receive free admission. If not, it will be \$6.00 for tables and \$3.00 for admission fee.

Joe, N9JW is planning on holding a General Class. He will put a note in the paper informing the community about the classes and he sent around a sign-sheet for people who might be interested. Art, N9BCA, stated that we should have this announced on the repeater. The classes will start the first week in April and end just before the Swapfest in time for the exams. It looks like Wednesday night will be the night classes will be held. Art Wysocki, N9BCA, moved that we purchase the General Class books for the club. Frank Guth, W9BCC, second, the motion passed.

Lori, KA9ZGD, said one of the things that came up on the questionnaire was the possibility of changing the meetings to a different night. Mike, KA9LAQ, said changing it would make it difficult to reserve a room. After a brief discussion, it was decided to leave the meeting night as is.

Scott, NE9U, reported that he has been talking to Rich Meyer, KC9NW, about linking the .67 machine in the new system, which links from Wausau to the Wisconsin/Michigan border. The only equipment we would need to purchase would be a 440 rig that would link to Rich's 440 machine on Rib Mountain. This would then link up to Merrill and Merrill to Saynor. We would then have the .985 as the local machine and .67 would have coverage up to the Michigan border. We could shut it off for Special Olympics and turn it back on afterwards. Scott will talk with Rich, get more details and report back at the next meeting.

Joe, N9JW, is handling Special Olympics this year. Joe announced that they will be June 8-10, 1995. Any hams are welcome to help out. The Olympics will be spreading out more on the campus, so we will need people to cover this large area. WE WILL BE NEEDED!!!

The meeting was adjourned at 8:47 p.m.

The next meeting will be held on April 12, 1995 at 7:30 p.m. at the UWSP Science Building in Room A-109.

### ATTENDANCE

|                   |        |
|-------------------|--------|
| Deb Kroll         | N9EIL  |
| Gene Kroll        | KE9MA  |
| Mike Eiden        | WD9JID |
| Mike Pagel        | KA9LAQ |
| Dave Golla        | N9QVT  |
| Paul Omernik      | N9ZQF  |
| Joe Omernik       | N9CGV  |
| Dave Tamres       | KB9IIF |
| Frank Guth        | W9BCC  |
| Joe Mangal        | KA9TTU |
| Bob Baird         | W9NN   |
| Steve Kochanowski | KB9IIE |
| Art Wysocki       | N9BCA  |
| Ron Howe          | N9JH   |
| Jeremiah Maller   | N9WBU  |
| Joe Larson        | N9JW   |
| Brian Asplin      | N9MZI  |

Respectfully submitted:  
Mary Eiden, KA9FAS,  
CWRA Secretary

## Washington County Amateur Radio Club

Tom Waldschmidt, N9LZW.  
Secretary  
465 Elder Lane  
Allenton, WI 53002-9799



### MONTHLY MEMBERSHIP MEETING MARCH 10, 1995

The March membership meeting of the Washington County Amateur Radio Club was called to order at 7:33 p.m. on Thursday, March 10, 1995 by President Walt Gossfeld, N9LLS, with 19 members and 1 guest present.

The minutes of the February 9, 1995 meeting were read. Motion by K9GR, second by W9SIZ, to approve the minutes. Motion carried.

The treasurer's report was read by KA9RNU. Motion by WB9RWV, second by N9UGH, to approve the treasurer's report. Motion carried.

Repeater committee report was given by K9GR. Don explained that the antenna sustained some wind damage, and that repairs and modifications are planned. We are still in need of modules for the transmitter, and alternatives are being considered. Needed are a squelch gate, time out timer, and PL modules for a MICOR base station dated 1974 or later.

ARES report was given by N9LZW. Tom announced that he would be showing a Tornado Spotting film at 7 p.m., prior to the next membership meeting on April 13.

Club jacket orders are expected to be completed soon.

### OLD BUSINESS

The proposed constitutional amendment was discussed, and it was determined that we did not have the required quorum present.

KA9RNU stated that he has not been able to discuss the BSSS subscription problem with the paper's staff.

N9LZW explained that Olympus Custom Flags & Banners has quoted approximate prices for a 3 ft x 5 ft banner. A nylon banner would cost about \$200 to \$250, while a vinyl banner would cost about \$100 to \$125. Peggy, WB9RWV noted that a Fond du Lac firm has vinyl banners for about \$40.00. It was suggested that the club consider a design contest.

There was a discussion regarding the club sponsoring a swapfest. It was decided to postpone consideration of this until after the repeater project is completed.

### NEW BUSINESS

Peggy, WB9RWV, announced the upcoming Kantronics & RF Concepts' Packet Radio Seminar hosted by Amateur Electronics Supply on Saturday April 8th, from 9:00 a.m. until 5:00 p.m. AES will also host a Manufacturer's Showplace on May 19th and 20th, and an Alinco Open House on July 8th.

Don, K9GR, announced that his company has filled one of the two openings because of his announcement at the last meeting. Still open is a position for a Printed Circuit-CAD operator. Don can be reached at 644-6329 for further information.

There was a discussion on establishing Honorary and Associate membership classifications. One purpose would be to recognize those who put on a program for the club. These membership classifications would require a change to the Constitution. It was agreed that a certificate of appreciation would serve the purpose. Gary, W9XT, will research these certificates.

There was a motion by W9SIZ, second by K9GR, to adjourn. Motion passed and meeting was adjourned.

### APRIL BREAKFAST SCHEDULE

Washington County ARC members get together each Saturday morning for breakfast. Here is the schedule for April. Visitors are always welcome.

Apr 1, 9:00 a.m., Jimmy's in Jackson  
Apr 8, 9:00 a.m., Corfu in Richfield  
Apr 15, 9:00 a.m., Slinger Inn in Slinger  
Apr 22, 9:00 a.m., Fays in West Bend  
Apr 29, 9:00 a.m., Parkside Cafe in Jackson

## HOW TO SUBMIT MATERIAL FOR PUBLICATION IN "WHAT'S HAPPENING"

Submission of information for "What's Happening," which includes "Swapfests and Other Social Events," "The Test Point," and "Club Meetings" must be made ONLY, and in written form, to the editor of that section, Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. An ever-increasing amount of this information is being sent to K9ZZ, which may result in either delayed publication or the possibility of its being misplaced as I struggle to complete my own section of BSSS each month (pages four through thirteen, plus the front page). We want to help you and your club to the very best of our ability. Please help us do that by sending material to the correct production staffer (all two of us). Your cooperation will be humoungsly appreciated!

- Jim Romelfanger, K9ZZ



# Eau Claire Amateur Radio Club

Carl Searing, W9NW, Secretary

1129 McKinley Road • Eau Claire, WI 54703

## MEETING OF MARCH 14, 1995

The meeting was opened at 1935 hours by President Kevin Zehr, N9OHE. Approximately 35 members were present. The location of this meeting was the city-county government building in Eau Claire, site of the area communications center.

Secretary's and treasurer's reports were read and approved.

W9NW reported on recent testing of applicants for the "Mission Eau Claire" communications positions.

N9TUA, Carol Ceraso, again volunteered to contact previous hamfest commercial exhibitors re: possible 1995 attendance.

It was announced that a recently-formed 440 MHz net meets on the N9RSU repeater (444.925 MHz, PL 67.0) Saturdays at 1300.

The program for the April will consist of a talk by a meteorologist from the National Weather Service. His tentative

topic: the Prairie Farm and Foster tornadoes, and likely considerable discussion for all on Skywarn. Thanks to N9LIJ for the program.

Lunch Committee for the April meeting: N9OHE, N9QWE.

Tonight's program was hosted by Larry Agema, N9EZD, Communications Chief for Eau Claire County Public Services. He described their mission as providing full service for public service agencies in Eau Claire County. His graphic descriptions of communications procedures, enhanced 9-1-1 operations, and computer-enhanced dispatching were most interesting. The present new communications center is the third that Larry has developed, and is absolutely state-of-the-art. Following his talk, Larry gave tours of the center to the membership. Many thanks to Larry for his hospitality.

Respectfully submitted:

C. F. Searing, W9NW, Secretary

# Racine Megacycle Club

Alex Voss, N9RGX, Secretary

3333 Standish Lane • Racine, WI 53405

## RACINE MEGACYCLE CLUB MEETING • MARCH 13, 1995

The meeting was called to order by President Paul Smedegaard, N9RGW, at 7:34 p.m. Those were asked to introduce themselves with name and callsign. The minutes were accepted as printed in the *Badger State Smoke Signals*.

28 Hams were present.

Dave, AA9HL, gave the Treasurer's report and it's all still there.

## OLD BUSINESS

Paul Smedegaard, N9RGW, announced that the club received a donation from Racine Metal Fab, Inc. After much applause, Paul presented the check to the treasurer.

Jackets. The Final Frontier. Paul, N9RGW, read the letter of apology from the jacket people. He then presented the refund check to the treasurer. A round of applause was offered to Cheryl, WS9P, for her part in dealing with the jackets.

## NEW BUSINESS

Bob, W0WLN, read a letter addressed to the secretary of QCWA concerning the QCWA scholarship program. Anyone interested in the scholarship program should contact Bob Jensen, W0WLN.

Cheryl, WS9P, brought up the prospect of again having a special event station at Salmon-a-Rama this year. The event would operate on two Saturdays, July 15 and 22 and run for six hours each day. The station would be in the communications room in the Red Cross.

Dan, KA9OIL mentioned that 4 head phones were donated to the club for Field Day by the Metro Milwaukee Auto Auction. Also an all-band dipole was donated to the club. He mentioned the necessity for the club to buy an antenna

tuner/dummy load. A motion was made and seconded to buy two antenna tuners. The motion passed.

The meeting was adjourned at 8:10 p.m.

A presentation of the Police Laser Gun was given after the meeting by Racine Police Sgt. Dave Voss; WB9USI, and Officer Mike Vanko. Each person present was allowed to try it out. Many of the hams who left early were going far under the speed limit!

## HAM CALENDAR

Courtesy  
Racine Megacycle Club

Apr 2 Hamfest at Madison  
Apr 10 RMC Meeting  
Apr 28 RMC Fox Hunt

May 6 Hamfest at Cedarburg  
May 8 RMC Meeting  
May 13 Hamfest at Manitowoc  
May 26 RMC Fox Hunt

Jun 11 Hamfest Stevens Point  
Jun 12 RMC Meeting  
Jun 23 RMC Fox Hunt  
Jun 24 FIELD DAY!

Jul 8 Hamfest at Oak Creek  
Jul 10 RMC Meeting  
Jul 21 RMC Fox Hunt  
Jul 30 HAMFEST RACINE!!

Aug 14 RMC Meeting  
Aug 18 RMC Fox Hunt  
Aug 26 Hamfest at Onalaska

Sep 11 RMC Meeting  
Sep 15 RMC Fox Hunt

Oct 6 RMC Fox Hunt  
Oct 9 RMC Meeting



# SHEBOYGAN County Amateur Radio Club

Mike Musiel, KF9SJ, Secretary  
N9001 Dairyland Rd., Cleveland, WI 53015

Greetings from the Sheboygan County Amateur Radio Club! There was no general meeting of the club in February, and hence, no news that could make the *Badger State Smoke Signals* deadline. The SCARC meets at the Red Cross Building, 2032 Erie Ave., Sheboygan WI at 7 p.m. on the second and fourth Tuesday of the month. There is usually no general membership meeting in February, because of the Banquet, and June, because of Field Day.

The annual 94/95 Banquet was held at Klemme's Wagon Wheel in Howard's Grove. Members attending enjoyed the excellent food, and later danced to music provided by D.J. and club member Mike, N9SVQ. Some club members even participated in the limbo contest. We hope a good time was had by all, and look forward to next years banquet arranged by Chris, N9VKC. The annual banquet is normally the time the Ham Of The Year Award is presented. This year, the HOTY winner was hard at work operating at contest station W0AIH, so we had to settle for announcing the winner. Congratulations go to Tom, AA9BJ, for winning this award for the 94/95 season.

Tom has been very active in our ham community, both on and off the air. He has been teaching the local Amateur Radio classes for 3 years, and has helped get many fine new operators on the air.

In addition to the HOTY award, a new trophy was awarded to the incoming president Chris, N9VKC. Yes, he is the proud owner of the new SPAM trophy. For those of use who have the pleasure of knowing Chris, I can't think of a more deserving ham. Congratulations Chris!

## MEETING SUMMARY

The March 14 meeting was called to order by club president, Steve, KF9KZ. This was a special meeting, as we were visited by Mr. Paul Collar, a meteorologist from the National Weather Service. Mr. Collar presented a program that included an overview of the capabilities of the NWS system, the importance of the weather spotter to the NWS, and how to perform basic spotting techniques. Interest was expressed in an advance spotting class to be held at Sullivan. Members interested should contact a SCARC board member to

be added to the list.

We were also visited by John, NZ9Z, from the Mancorad club. John described the work their club is doing with a student Amateur Radio club in Sri Lanka. The Mancorad club is in the process of helping this club get a satellite station on the air. Any help they can get towards the purchase of this equipment would be greatly appreciated. Contact NZ9Z, or a member of the Mancorad Club, if you would like to help.

## NETS

NOTE! There are changes in the local net schedule, please note the new info on the Sunday night packet net, and the Sunday morning 75 meter net.

**Monday Night Fun Net.** Meets at 7 p.m. local time on 147.06 MHz (+107.2PL). All with an Amateur Radio license of Technician class or higher are welcome to check in to this informal get together.

**Monday Night 10 Meter Fun Net.** Meets around 7:30 p.m., generally following the 2 meter net. The net meets on 28.350 MHz (USB), and all code class Amateur Radio operators are welcome to check in.

**Sunday Night Packet Net.** Meets at 6:30 p.m. local time on 144.99 MHz (AX.25, 1200 baud). Conference procedures have changed since last listing; contact AA9LV for more information on the net.

**Sunday Morning Coffee Clutch and G5RV Net.** New Time! The net now meets at 9 a.m. local time on 3.860 MHz (LSB). The net has moved up in time to reduce interference. All radio amateurs of General Class or higher are welcome to attend.

## SCARC CALENDAR

**April 11:** Social Meeting. Presentation by KF9SJ on DSP.

**April 25:** Next Business meeting. All welcome to attend.

**May 9:** Social Meeting. Presentation by [ ].

Submitted by

Michael J. Musiel, KF9SJ

# Wisconsin Valley Radio Association

Dee Duckett, N9SDM, Secretary

P.O. Box 363 • Wausau, WI 54402

**Six Meter Repeater: 51.74 Input/51.24 Output**

## Regular Monthly Meeting of the W.V.R.A. • March 7, 1995

The meeting was called to order by President Mike Wild, KB9DED, at 7:35.

The minutes were read by Secretary Dee Duckett, N9SDM. N9SDM made a motion to accept the minutes as read, N9TTA seconded, passed by the membership.

The treasurer's report was given by Mike Matakovich, N9IAB. N9TTA made a motion to accept the report. Seconded by N9SDM, passed by the membership.

Attending the meeting were: KB9DED, N9DSX, N9SDN, N9FOL, N9TTA, N9XVK, N9LIA, KB9FRB, KB9DZG, N9IOG, N0PHC, N9SWL, K9SDL, KB9CKR, N9NQW, N9OWD, K9MIX, K9JPS, KA9PML, N9IAB, N9NQX, KC9NW, WB9LAI, N9QWR, Tony Schumacher from Channel 7 Weather.

## OLD BUSINESS

N9LIA indicated the the President of

NTC is still interested in having the club set up the club station there. There is a problem with finding a secure area. There are several possibilities, but nothing is available now. Another concern is access -- we may need access to the station other than regular school hours.

KB9DED indicated that the ham class is going well, seems to be ahead of schedule. Two passed at the Tomahawk February Test session.

N9IOG said that WB9LAI has called the ARRL about renewing his accreditation. N0BK has also sent in his paperwork. N9SHH has received his papers. Paul said there will be VEs available to test the class on April 3. He has talked with the VE's about the possible problems. They came to the following solution:

- Tests will consist of multiple choice questions.

- There will be written copy only! NO written code.

- Headsets should be available if possi-

## ATTENTION HAMFEST SPONSORS

If your event is advertised in a card ad (see back page of each issue), this is a reminder that you also get, without charge, one free display ad. We use your event's flyer to create the ad by reducing the flyer's copy area slightly and bordering it. IT IS YOUR RESPONSIBILITY TO SEND THE FLYER, AND TO DO SO IN A TIMELY MANNER. This paper is produced by a very small, all-volunteer staff, and we cannot spend a lot of time sending reminder letters and making reminder phone calls. The flyer for your event must be sent to Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. If you would like your display ad run more than one time, it will be published for \$27.00 for each additional insertion. If your club sponsors a swapfest and does not have a card ad, flyer insertions are available at \$35.00 for one time, and \$62.00 for two runs. QUESTIONS ABOUT THESE SPECIAL, REDUCED RATES FOR NON-PROFIT ORGANIZATIONS (CLUBS, ETC.) SHOULD BE DIRECTED TO KEN EBNETER, K9EN, 822 WAUONA TRAIL, PORTAGE, WI 53901, (608) 742-3560.

Continued on page 13



## Wisconsin Valley Radio Association

Continued from page 12

ble.

Some of the VEs disagree about the upgrade class being taught by a VE.

N9LIA was contacted by Boy Scout Troop 438 about getting into a ham class for the scouts. There will be 10-12 for sure and looking for April or May classes. They were wondering if there were some classes starting or perhaps the club could do a class.

N9LIA also indicated the the Scout Camp is open. Should we set up a tent or use the main lodge? A decision about using it for Field Day should be made soon. Rental is a deposit of \$20 on the key, returnable upon return of the key. If the club will be there, should get the info out in the Scout Newsletter to promote interest from the scouts. N9IAB made a motion to have the club rent the lodge at the scout camp for Field Day and, if weather permits, set up in the field around the campfire. N9NQQ seconded, passed by the membership. N9LIA will reserve the lodge.

Per N9IAB, Jerry, from Forward Electronics donated a telescopic mast to the club.

WB9LAI said that Joe Kaminek would like someone to go down to the courthouse to edit the humane society video tape this week.

N9NQQ inquired about changing the PL on 440; it can be heard. Per N9IAB it can be looked into. N9IAB also needs to get PL on the 64.

KB9DED reminds everyone that elections are next month. If you want to run for the board, be sure to let any board member know.

N9IAB brought up the idea of having a "kit" for the club containing a camera, badge blanks, and a laminator. The laminator would probably run about \$150.

KB9DED suggested that perhaps the club look into purchasing some "Now You're Talking" books for future hams. They could be returned after being used.

KC9NW reminds us of the Weather

Marathon County Courthouse. It is put on by the National Weather Service. Times are 2 p.m. and 7 p.m. in the squad room. Rich would like someone to video tape it as he will be out of town.

Tony Schumacher asked if we were ARES affiliated -- no. KB9DED asked KC9NW about insurance coverage when we are out spotting. Per KA9PML, if we are participating for the Emergency Government -- yes, we are covered. N9IAB feels perhaps the card would reinforce this coverage. Per Tony Schumacher, ARES members are officially trained, and their reports are more readily accepted than someone else. He feels it is a more efficient means of communication and the National Weather Service respects ARES member reports more so than a "regular hams" report.

N9LIA feels there needs to be commitment from the people. Perhaps we need to see how many club members and other hams are really interested in becoming ARES members, then go from there. We need more than 5 or 6 committed people. Tony Schumacher said he has lots of information on the weather and would be willing to assist in getting a weather class together. N9LIA made a motion to survey ALL hams to see if there is enough interest. N9IAB seconded and passes by the membership. N9NQQ will get the word out on the nets. Need to send postcard with list of equipment and interest.

Tony Schumacher from Channel 7 weather gave a presentation on his interest in joining forces with the ham net on severe weather reporting. He would like to have a ham at channel 7 so there can be a head start in getting spotters to where the radar indicates the hot spots are; try to coordinate positioning of spotters better. This way we can give info to the public faster. KB9DED asked Tony to keep in touch with this and we'll see what can be worked out.

9:10 p.m.: N9TTA made a motion to adjourn, Seconded by N9SDN, passed by the membership.

*Don Eickhoff N9SDN*  
Secretary

## Red Cedar Repeater Association, Inc.

Steve Hart, KA9OMC, Secretary

E616 810th Avenue

Knapp, WI 54749

**2-Meter Repeater: 146.01 Input/146.61 Output**

Greetings, RCRA sponsors and guests.

The last activity held by RCRA was the annual auction in Eau Claire on February 28. Balance on the account prior to the auction was \$485.31. Balance on account after all auction activity was \$1275.12.

Results of the auction were bigger in every category. Attendance at the door was 111, with about 15 additional guests standing in the hall. You might say it was "standing room only."

Our thanks for the following door prize donations:

✓ Bill Duncan, K9KGB: Thomas radio replica collectible AM/FM with cassette; Emerson compact stereo system with dual cassette and remote.

✓ Jo and Rich Jenneman, N9MEI and N9MEH (Rich's Surplus): Gift certificates.

✓ Tim Rose, WB9PMF: Coffee for the auction; two large classroom-size raised maps.

✓ Ed Van Sickle, NQ9X: Letter opener and address index.

✓ RCRA - WB9YMB/R: Gift certificates and assorted items.

Efforts to get the auction advertised were more extensive this year. About 250 flyers were mailed out, with some in bulk to area clubs. All parts of the compass were represented. Examples include Butch, K0BS, from Rochester, MN; Lloyd Pearlthree, K0KKQ, from Pine City, MN; Dale Braun, WD9GWG, from River Falls, WI; Chuck Britson, N9XHA, from Spring Valley, WI; Lowell Riley, W9MEO, from Eau Claire, WI; and Pete Cullum, N9GED, from Rockford, IL, just to mention a few.

This year's collection of equipment was well-rounded, from test gear, hand-talkies, cable and connectors, to the collectible Johnson Viking and Technical Material GPR-90. If it was not there, you did not need it.

Even the facilities were improved, with the Legion sporting a new ramp for the disabled.

Our sincere thanks go out to all who participated in this great social event, and to W9BAR, W9KTE, N0KD, and others, who donated complete collections of equipment to the auction. Thanks also to Jeff, N9PPE, for arranging a corporate equipment donation. Many thanks go to our auction team for staying on their feet for over five continuous hours; Auctioneer Bruce Walther, W9QAH, Auctioneer Assistant Ernie Wendt, W0LUY, Clerk Assistants Glenn Thompson, N9TTV, and Rod Steele, N9WJY. Special thanks to our food servers, Delores Wendt and Arlene Kraft, KF9CU, who persuaded us to offer tea, decaf coffee, and hot chocolate this year.

Please make welcome new sponsors Bill Kraft, K9NY; Ron Moody, N9NOY; Perry Young; and Steve Jax, KD4GOT.

Congratulations go out to Chuck Britson, N9XHA, who recently passed his General ticket, and to Paul Thomas, WB9WCM, who has a new harmonic named Jessica. Paul is also one of our new sponsors.

Dunn County Emergency Government Director Tom Johnson, N9KMZ, recently attended our social hour in Menomonie, and presented the RCRA with a check for \$75 toward our efforts to keep disaster-prepared.

The last social hour for the spring will be April 25 in Menomonie at the Peppermill Restaurant, T-Bird Mall. Meeting time is 7:30 p.m.

Steve Hart, KA9OMC  
RCRA Secretary/Treasurer

## Quarter Century Wireless Association Southern Wisconsin Chapter 162

Larry McCalvy, WA9JMO  
5400 Six Mile Road  
Radne, WI 53402



Our multi-club Awards Dinner Dance has faded into history as four Chapter members walked away with Certificate of Meritorious Service or Certificate of Appreciation plaques. Congratulations to Fern Fischer, W9LCJ, Bruce Zabler, K9RRS, and Larry McCalvy, WA9JMO, on their selection for Meritorious Service Awards; and Spencer Clope, W9LDH, on his reception of an Appreciation Award. Chapter 162 would also like to congratulate Ray Wolfe, WB9LST, on his selection of Ham of the Year for Southeastern Wisconsin.

The seven club annual awards dinner dance was held on Saturday, 25 February 1995 at Ensenada's Restaurant in Racine. Excellent food and service was enjoyed by all, followed by a program of recognition and awards, door prizes and a wonderful selection of digital music played by our Ham of the Year - Ray "The Wolfman" Wolfe, WB9LST. The attendees unanimously voted to return to Ensenada's next year. Mark your calendars for Saturday, 24 February 1996, and plan to attend. We have more surprises in store for you.

The Kenosha Breakfast Club holds court on the first Sunday of every month at the South Port Restaurant in Kenosha. To entice hams and their significant others to attend this monthly meeting breakfast, a drawing for One Hundred Dollars and other door prizes are available for those participating. In order to win, must attend the breakfast. All Amateur Radio operators residing in the Southeastern corner of Wisconsin have had their names placed in the contention for the grand prize and each time a ham attends, his or her name is again placed in the drum. Each March if a winner had not been selected over the

twelve previous months, names are drawn until someone in attendance wins. Last month, on the first draw, Chapter member Albert T. Marini's, (W9CKQ) name appeared on the slip drawn. Congratulations, Al!

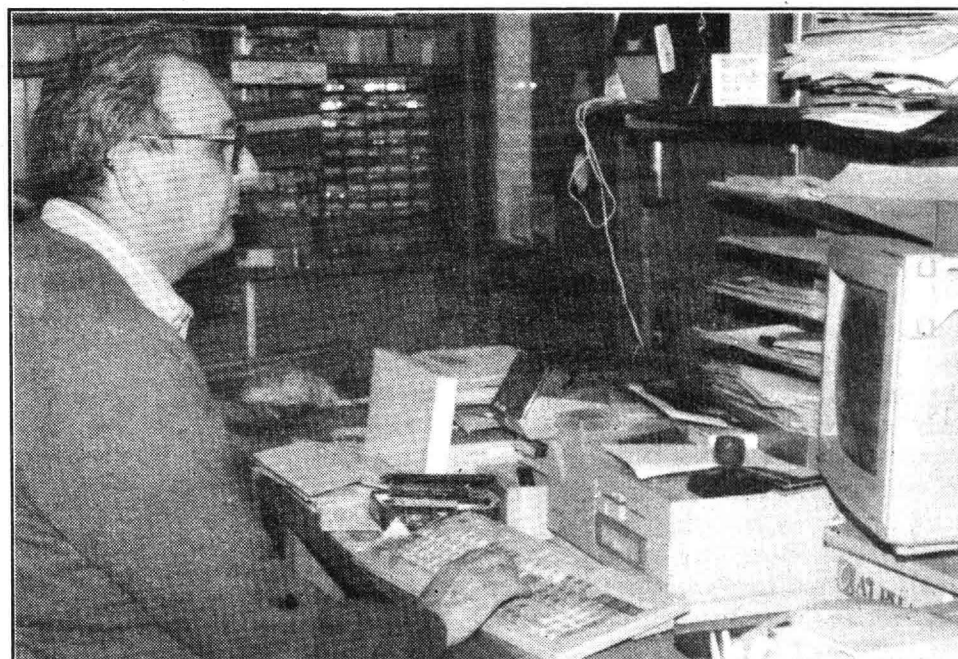
The Chapter has formed a Sunshine Committee whose task is to cheer-up a member or spouse requiring hospitalization with a fruit basket, flowers, a plant or card. The current committee members are Bill Komistra, W9OVZ, Steve Bellgraph, K9ZL, and Chuck Knotek, W9GKM. If an illness should occur in your family, please let a member of our Sunshine Committee know.

Chapter 162's anniversary meeting will be held on Sunday, 23 April 1995 at 1:30 p.m. at the Meadows Restaurant in Franksville. Announcement reminders will be made during all our weekly net meeting on 147.270 Megahertz, the Lakeshore Repeater, Thursdays at 9 p.m.

On Friday, 4 May 1995, our Chapter will again provide the communication for the Racine Lutheran High School Walk from 7:30 a.m. until 11 a.m. And, on Monday, 22 May 1995, the Chapter will participate in the three-day camp-out with Gifford Elementary School's fifth grade class - 175 students. We will demonstrate the finer points of Amateur Radio utilizing two-meter FM, the low bands, packet and QSL collecting during sixteen forty-five-minute classes. If you would like to assist the club during either or both of these events, please contact me on the air or at (414) 639-7327. We can use the help and you will enjoy interacting with the young people.

Our May 1995 business meeting will

## Meet The BSSS "What's Happening" Editor and Circulation Department



Busy at the keyboard is Ken Ebner, K9EN, of Portage, WI. Ken does all of the above in the headline for this newspaper and even gets the joyful job of lugging a whole bunch of heavy sacks filled with the latest issue of this rag to the Portage post office every month. He was originally licensed as KN9GSC (Novice) in 1956, and very quickly upgraded to Amateur Extra. He served a number of terms as Section Communications Manager in the 1960s, and was very active on the CW traffic nets and on RTTY. He has also served two terms as vice-director of the Central Division of the American Radio Relay League, and one short term as director when the then-current director resigned. Ken is a Senior Broadcast Engineer, and works for Kramer Broadcast Engineering Services of Portage, travelling all around southern Wisconsin to fix broken radio stations.

be held at the South Port Restaurant in Kenosha at 7:30 p.m. on Monday the 15th. Also mark your calendar on Sunday the 11th of June for the Great Mosquito Awareness outing at Ken, N9NBC, and Marbeth Knoff's home in Western Kenosha County.

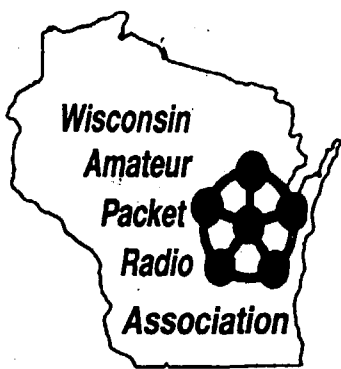
QCWA's Chapter 162 is co-instructing

a code/Novice/Technician class with the Racine Megacycle Club at the Racine Red Cross for 20 students.

Looking forward to seeing all of you at our upcoming meetings.

73,  
Larry McCalvy, WA9JMO





# THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

Ted Hellmann, N9LLT  
921 8th Avenue • Grafton, WI 53024

Joel Papke, N9BQM, Editor, 7968 Ubinger, Pittsville, WI 54466

April 8th  
Ashwaubenon High School  
Brown County ARES Swapfest

There will be a packet demo for folks who have not been exposed to packet radio, as well as a TCP/IP demo for those folks who have not been exposed to this interesting new mode. There will also be a meeting of the North East Wisconsin region Packet Group. All other WAPR members from other areas are invited to attend also.

After the demo, a short talk explaining the packet radio network in Northeastern Wisconsin will be given. We will be explaining how the network is set up, what areas it covers, how best to use it, and the future plans for the region. We will also have a short discussion and Q&A session after the talk. All interested parties are encouraged to attend.

The 'fest will be held at the Ashwaubenon High School, 2391 South Ridge Road from 8 A.M. to 2 P.M. Talk in is on the 147.075 AHSTC repeater, which has a +.600 offset, and PL of 107.2 Hz.

The Packet meeting will start at 10:00 A.M.

Using the Wisconsin Network - Part Two  
by Andy Nemec, KB9ALN

This series of articles is presented by the Wisconsin Amateur Packet Radio Association to help all packet operators enjoy the Wisconsin Packet Radio Network. WAPR actively helps packet radio network development in a number of ways. Understanding what a good statewide packet radio network is all about helps packet operators use the network more efficiently. This understanding will also help packet operators see why continued network development, as well as cooperative operation of the network, is essential.

To help the continued development of the Wisconsin network, please Consider joining WAPR.

In Part one of our series, we discussed what digipeaters and nodes are, the different kinds of nodes, and what makes them so special. In Part Two, we will continue our discussion.

Let's review. A digipeater is a simple repeater of packets. A node is a more sophisticated repeater of packets. It knows if a packet was received, and can often allow you to send your packets over a very long distance. A network node is linked to other nodes and is often capable of doing more than just repeating your packets.

We've talked about using nodes to pass our packets a longer distance. However, the need for a network of nodes grew out of another problem closely related to this need for distance.

You may have found that not everybody in the packet community is on the same frequency in different parts of the state. This was done on purpose, so that people would not crowd on one frequency, making it useless. Different areas of the state are divided up into separate Local Areas. This is usually done by region, county, or even parts of a city. Each division is called a "LAN", meaning "Local Area Network", having a separate LAN frequency. Some way had to be devised so that different areas could communicate with each other, and that is where the network of nodes comes in.

The Nuts and Bolts of a Node system.

A node in it's physical form is a TNC, a Radio and the antennas it needs to work, similar to other packet stations. The TNC is specially

modified with a different set of operating instructions. Some garden variety TNC's have a node built in, like a Kantronics TNC. Network nodes are most often dedicated TNC/Radio Combinations set up specially for the purpose.

Network nodes are also connected, by Radio, by wire, or by both. Nodes connected by wire at one location form a "Node Stack". The node radios in a particular stack operate on different frequencies and all "Talk" to each other, and with other node stacks. They exchange information concerning their ability to contact other network nodes. Network Nodes that contact each other over the air usually do so on dedicated frequencies reserved for Node-to-Node communication. This is called a "Backbone", and is devoted to connecting different nodes together so that your packets can be passed a greater distance and to other LAN frequencies.

The chart below will demonstrate a pair of network node stacks that carry packets between 2 LANS by way of a backbone. One node stack shown actually has access to 2 backbone frequencies, one on VHF, one on UHF.

High-Speed Radio Link

|          |          |          |
|----------|----------|----------|
| WIGB     | #446GB   | #APL4    |
| VHF      | UHF      | UHF      |
| Backbone | Backbone | Backbone |
| Node     | Node     | Node     |

< Wire Link >

< Wire Link >

|                    |                    |
|--------------------|--------------------|
| WIGRB VHF LAN Node | WIAPL VHF LAN Node |
| 145.070 MHz.       | 145.650 MHz.       |

Green Bay Node Stack

Appleton Node Stack

If you guessed that the people in Green Bay can connect to the people in Appleton even though they are on different frequencies, you are right. Other LANS can be arranged so that they, too are on the backbone.

This is the basis of a packet radio network. In the next part of this series, we will

put this knowledge to work. We'll use information you can get from a node in order to explore the network.

Until Next time, 73.

THE TESTPOINT  
(continued from page 3)

GREAT RIVER AMATEUR RADIO CLUB  
DUBUQUE, IOWA - ARRL/VEC

The Great River Amateur Radio Club VEs are now field stocked, which means retests can be given immediately.

Exams are held at 9:00 am at the Central Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th street. For more info, contact: Carl Clark, NOKAX, 145 Delicia Drive, Dubuque, IA 52001. Or call Carl at 319-557-9149. Talk-ins are on the 147.84/24, 147.63/03 and 146.295/895 repeaters.

LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (W5YI VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Dennis G. Eksten, W9SS, (815) 877-6768.

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules. Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to K9EN at the address shown on page 2.

YOU KNOW YOUR A HAM

When your club's repeater and the TV station that you work for are in the same building and are damaged by a storm and you go up and fix the repeater BEFORE you fix the television station.

## WISCONSIN AMATEUR PACKET RADIO MEMBERSHIP APPLICATION

PLEASE PRINT

NAME: \_\_\_\_\_ CALL: \_\_\_\_\_ HOME PHONE: (\_\_\_\_) \_\_\_\_\_

ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

HOME BBS: \_\_\_\_\_ FREQ: \_\_\_\_\_ (Listing your HOME BBS is important)

Your HOME BBS should be a full service BBS, not your TNC's mailbox.

MY PACKET STATION OPERATES: \_\_\_\_\_ DAY \_\_\_\_\_ NIGHT \_\_\_\_\_ 24HRS

OPERATE A: \_\_\_\_\_ DIGIPEATER WITH ALIAS OF: \_\_\_\_\_

\_\_\_\_\_ FULL SERVICE BBS

PRIMARY PACKET INTEREST/EXPERTISE IS: \_\_\_\_\_

☐ YES I want to receive Badger State Smoke Signals and I understand that part of my dues goes to pay this subscription.

☐ NO I do not wish to receive Badger State Smoke Signals as a part of my WAPR membership.

COMPLETE and return this form with your check or money order for  
\$15.00 made payable to W.A.P.R.

to: Ted Hellmann, N9LLT, 921 - 8th. Avenue, Grafton, WI. 53024

# Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call) • K9ODK (Robert L. Prine Memorial Call)



Raymond J. Matlosz, N9MLZ, Secretary

450 West 2nd Street • Reedsburg, WI 53959



The March 16, 1995 meeting of the Yellow Thunder Amateur Radio Club, Inc., was called to order at 7:34 p.m. by club president, Bob Sauvan, WT9Q.

The minutes of the last meeting were submitted late to BSSS and thus were not published. Minutes of the meeting were available at tonights meeting. Jim Decker, WB9UQT gave the financial report.

OLD BUSINESS: There was a discussion on holding classes this year. It was decided to offer a class beginning April 4, 1995 for 10 weeks. It would meet once a week at the Baraboo Civic Center and on Saturday mornings at a members home. It was estimated that there were about a half dozen or so people interested in a class. The test date would be June 10th in Madison.

NEW BUSINESS: Bob Sauvan talked about the WI QSO party that was held last weekend. He and Jim Paul, N(LKY participated in this year's party. The dates for field day this year are June 24th and 25th. Art Kleefisch, W9WSS and Steve Schulze, N9UDO talked about Youth Opportunity Days sponsored by the Baraboo Police Department and will be held Saturday April 8, 1995 from 9 a.m. to 1 p.m. Steve Schulze was appointed by the club president to be the contact person for this event. Steve is also the contact person for the Scoutarama/Circus Heritage Days held in May. Other items discussed were the upcoming balloon launch from Hillsboro and various Ham fests. Vodak TV donated surplus electronic equipment that will be sold by the club at the Madison Swapfest April 2nd.

Applications were received from George

The February 15, 1995 meeting of the Yellow Thunder Amateur Radio Club, Inc., was called to order at 7:30 p.m. by club president, Bob Sauvan, WT9Q.

The minutes of the last meeting, as published in the BSSS, were accepted. Jim Decker, WB9UQT was available to give a financial report.

OLD BUSINESS: NONE.

NEW BUSINESS: The business portion of tonights meeting was kept to a minimum as the meeting was an open house to prospective hams and hams interested in upgrading. All present introduced themselves to the group. Ted Meyer, N9BXY announced he had some gear to sell. Jim Decker mentioned that Harrison Mayland, K9FFT moved to California. Former member August Schuettler, WD9ESK became a silent key.

There was no buck night drawing.

Meeting adjourned at 7:45 p.m.

Following the business meeting, club president Bob Sauvan gave an introduction to amateur radio with other members contributing during the presentation. Following Bob's formal remarks, the group broke up into smaller informal groups to ask questions and look at the equipment. Club members brought in their equipment to demonstrate packet radio, antennas, VHF radios. Several videos were available for viewing, including amateur tv signal from a balloon. Examples of several ham magazines were on display and copies of the Badger State Smoke Signals were available for people to take home with them. Refreshments were provided by the club.

The next meeting will be held Thursday March 16, 1995 at 7:30 p.m. in room 14 at the Baraboo Civic Center. The program following the business meeting will be on weather spotting.

Sincerely,

Raymond J. Matlosz, N9MLZ, Secretary

The following members and guests were present:

|                 |       |          |
|-----------------|-------|----------|
| Steve Schulze   | N9UDO | Baraboo  |
| Jim Romelfanger | K9ZZ  | Baraboo  |
| Jim Paul        | N9LKY | Merrimac |
| Art Kleefisch   | W9WSS | Baraboo  |

McArthur, N9ZGY no code Tech from Baraboo and Robert Baker, LaValle. Both individuals were unanimously voted in as new members.

Meeting adjourned at 8:20 p.m. Steve Schulze, N9UDO gave a presentation on tornado spotting following the meeting, including a video and handouts on the SKYWARN NET.

The next meeting will be held Tuesday April 18, 1995 at 7:30 p.m. in room 14 at the Baraboo Civic Center.

Sincerely,

Raymond J. Matlosz, N9MLZ, Secretary

The following members and guest were present:

|                 |        |            |
|-----------------|--------|------------|
| Steve Schulze   | N9UDO  | Baraboo    |
| Jim Paul        | N9LKY  | Merrimac   |
| Art Kleefisch   | W9WSS  | Baraboo    |
| Jim Decker      | WB9UQT | Baraboo    |
| Thomas Harrison | N9PQJ  | Reedsburg  |
| Bill Klinkner   | N9KXX  | Sauk City  |
| Anne Klinkner   | N9PQL  | Sauk City  |
| Raymond Matlosz | N9MLZ  | Reedsburg  |
| George McArthur | N9ZGY  | Baraboo    |
| Bob Baker       |        | LaValle    |
| George G. Gabay | N9QQR  | New Lisbon |
| Jay Rahn        |        | Baraboo    |
| Tony Mortensen  |        | Baraboo    |
| Dave Spearing   | KB9CSW | Portage    |
| Domenic Bianco  | KA9QFK | Reedsburg  |
| Tom Harrison    | N9PQJ  | Reedsburg  |
| Ben Harrison    |        | Reedsburg  |
| Ken Johnson     | K9DZG  | Mazomanie  |
| Bill Hommer     | KA9QFT | Baraboo    |

|                            |        |                 |
|----------------------------|--------|-----------------|
| Jim Decker                 | WB9UQT | Baraboo         |
| Thomas Harrison            | N9PQJ  | Reedsburg       |
| Mark Snyder                | KF9RG  | North Freedom   |
| Dona Snyder                | N9UUY  | North Freedom   |
| Kailey/Allison/Leah Snyder |        | North Freedom   |
| Bill Klinkner              | N9KXX  | Sauk City       |
| Anne Klinkner              | N9PQL  | Sauk City       |
| Raymond Matlosz            | N9MLZ  | Reedsburg       |
| Bob Sauvan                 | WT9Q   | Sauk City       |
| Bert Payne                 | N9GFC  | Baraboo         |
| George Gabay               | N9QQR  | New Lisbon      |
| Steve Schwoegler           | WB9RNL | Wisconsin Dells |
| Domenic Bianco             | KA9QFK | Reedsburg       |
| Wayne Burgess              | N9UDX  | Madison         |
| Tom Thomson                | N9LLF  | Sauk City       |
| Kevin Perry                |        | Prairie Du Sac  |
| Peter Sweeney              | WD9JIB | Reedsburg       |
| Ted R. Meyer               | N9BXY  | Baraboo         |
| Donald Schellin            | N9TWC  | Prairie Du Sac  |
| Nancy Kowalke              |        | Baraboo         |
| Sara Kowalke               |        | Baraboo         |
| Jason Kowalke              |        | Baraboo         |
| Duane Kowalke              |        | Baraboo         |
| Ken Johnson                | N9DZG  | Mazomanie       |
| David Conway               | KE9KX  | Poynette        |
| Jon Conway                 | N9WIP  | Poynette        |
| Lloyd Vodvarha             | KB9GUX | Mauston         |
| Leonard Wagner             | N9XJG  | Baraboo         |

## YOU KNOW YOUR A HAM

When you get into auto accidents while passing through new parts of the country looking to see what kinds of antennas people have on top of their houses.

## DEFINITIONS

DATA COMPRESSION- What happens when your 3 year old nephew finds your disks.

HARD DISK CRASH- Your computer desk is overloaded.

## BARS 1 Weather Balloon

The Badger Amateur Radio Society and the High Altitude Radio Project announce The Launch of the BARS 1 Weather Balloon

Launch Date: Saturday, April 8, 1995.  
(Rain dates April 9 and Easter Weekend).  
Launch Time: 9:00 - 10:00 AM CDT  
(14:00 - 15:00 UT).

Launch Site: Hillsboro, Wisconsin  
(About 20 miles W. of Wisconsin Dells).

ATV transmit freq: 439.25 3 watts Color.  
GPS/APRS Packet TX: 441.05 2 watts 1200 baud packet.

Cross-Band Repeater Output: 439.25 3 watts FM (Same as ATV output).

Cross-Band Repeater Input: Two Meters - frequency to be announced.

Expected Radio Range: 270-380 mile radius from balloon's location.

Note that the crossband repeater output and the ATV transmitter are on the same frequency. The ATV transmitter's carrier is FM Modulated with the voice signal. The voice and TV signals don't interfere with each other.

This flight will be BARS' entry in the 1995 University of Wisconsin Engineering Expo, a bi-annual display of student engineering prowess that is scheduled for April 21-23 on the University of Wisconsin, Madison campus.

The balloon will also carry a Global Positioning Receiver and a packet transmitter that sends latitude, longitude and altitude in a format that can be used by the APRS packet program to draw a map and plot the balloon's position on it. This will be a standard ASCII packet signal and can be ready with regular packet gear.

The payload and video tapes of the flight will be displayed at the UW's Engineering Expo, which runs from April 21-23 (the weekend after Easter).

The launch will be announced on the Baraboo 146.88 repeater. Chase crew coordination will be on the balloon's cross band repeater.

For info: N9LTD@WD9ESU.EN53IE.WI.USA.NOAM or djmullen@facstaff.wisc.edu

## TROYER *Rexall* DRUGS

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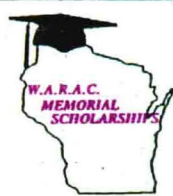
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# The Badger State Smoke Signals Shopper's Guide

## SWAPFESTS



### 23rd ANNUAL MIDWINTER SWAPFEST

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Dane County Expo Center  
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P. O. Box 8890 Madison, WI 53708-8890

SOUTH MILWAUKEE AMATEUR RADIO CLUB  
**SWAPFEST 95**  
**July 8, 1995**  
(Held every July)  
**American Legion Park**  
**Shepard Avenue • Oak Creek, WI**  
(414) 762-3235 Extension 58  
P. O. Box 102 South Milwaukee, WI 53172

### Fox Cities Hamfest November 5, 1995

Starlite Club, Hwy. 55 north of Kaukauna

HAMFEST INFO:  
Dan Vanevenhoven, N9LVS  
2410 E. Newberry Ct.  
Appleton, WI 54915  
414-739-5101

EXAM INFO:  
Larry Siebers, KD9IA  
414-788-3823

### Lakeshore Hamfest & Computer Swapfest

Manitowoc County Expo

Intersection of Hwys 42-151 and I-43 on Cty Highway R

**Saturday, May 13, 1995**

For more information, call:

Glenn, AA9MT: 414-684-7096  
Red, N9GHE: 414-684-9097 (Nights)

ManCoRad Radio Club • P.O. Box 204 • Manitowoc, WI 54221-0204

HAMFEST  
COMPUTER EXPO  
ANTIQUE RADIO SHOW  
**SATURDAY, AUGUST 26, 1995**  
OMNI CENTER • ONALASKA, WI  
2.5 MILES NORTH OF LA CROSSE ON HWY. 35  
RIVERLAND AMATEUR RADIO CLUB  
WESTERN WISCONSIN ANTIQUE RADIO COLLECTORS CLUB  
CALL DICK LOW, K9JYB, 1-608-784-9176  
1520 NAKOMIS AVENUE, LA CROSSE WI 54603

### 18th Annual CWRA Swapfest

**Sunday, June 11, 1995**

8 a.m. to 2 p.m.

UNIVERSITY CENTER, U.W. STEVENS POINT

Info: Art Wysocki, N9BCA (715) 344-2984  
3356 April Lane Stevens Point, WI 54481

### EAU CLAIRE Amateur Radio Club SWAPFEST July 22, 1995

Chippewa Falls Fairgrounds  
Carol Ceraso Liz Searing  
(715) 723-9205 (715) 834-1303  
P.O. Box 1867 • Eau Claire, WI 54701

### RACINE HAMFEST 95 July 30, 1995

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### Ozaukee Radio Club 17TH ANNUAL RADIO AND COMPUTER SWAPFEST Saturday, May 6, 1995

8 a.m. to 1 p.m. • Circle B Recreation Center  
Intersection of Highway 60 and County I  
Exams by Badger Examiners, c/o Gary Sharbuno,  
5119 W. Willow Rd., Brown Deer, WI 53223  
Swapfest sponsored by Ozaukee Radio Club  
11448 N. Laguna Drive • Mequon, WI 53092

### Kettle Moraine Radio Amateurs SWAPFEST

**Sunday, October 15, 1995**

Waukesha County Expo Center

Info: KMRA Swapfest P.O. Box 411  
Waukesha, WI 53187-0411

Red Cedar Repeater Association, Inc.

### AUCTION

**February 27, 1996 • 7:00 p.m.**

American Legion Post 53 • 634 Water Street  
Eau Claire, WI

CONTACT:

Steve Hart, KA9OMC  
E616 810th Ave.

715-665-2374  
Knapp, WI 54749

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